

KATALOG CATALOGUE 2024

---



KERAMIKA  
KANJIŽA

KERAMIKA  
KANJIŽA









KAI

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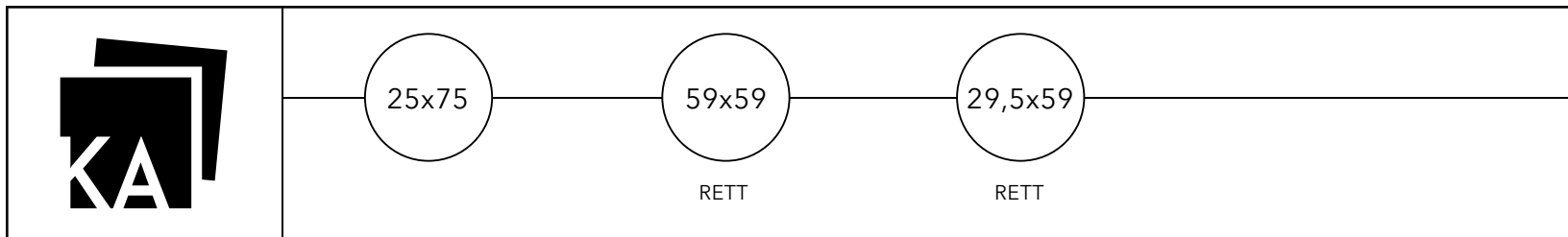
## INDEX SERIJA PO DIZAJNU INDEX BY DESIGN

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LAND	44
PASSAGE	30
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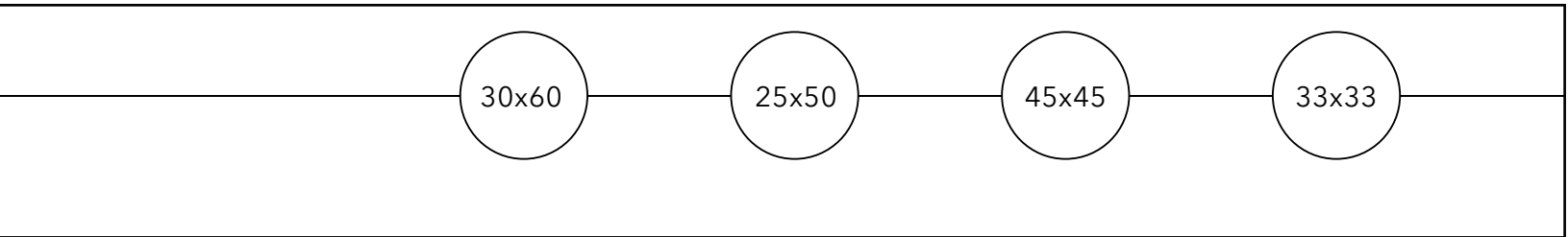
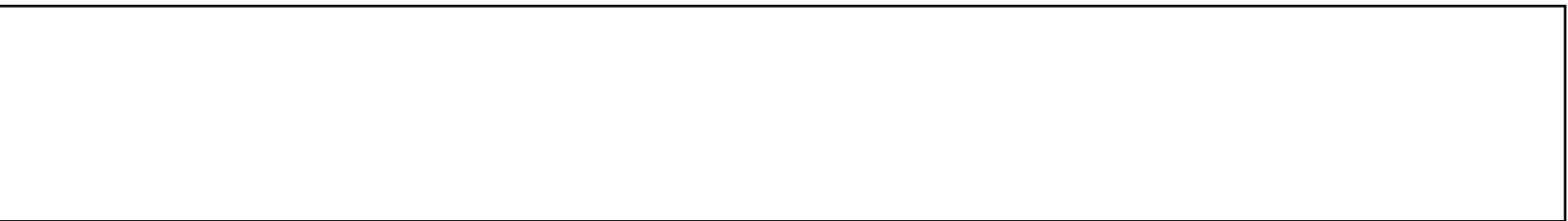


# INDEX SERIJA PO VELIČINI

## INDEX BY SIZE



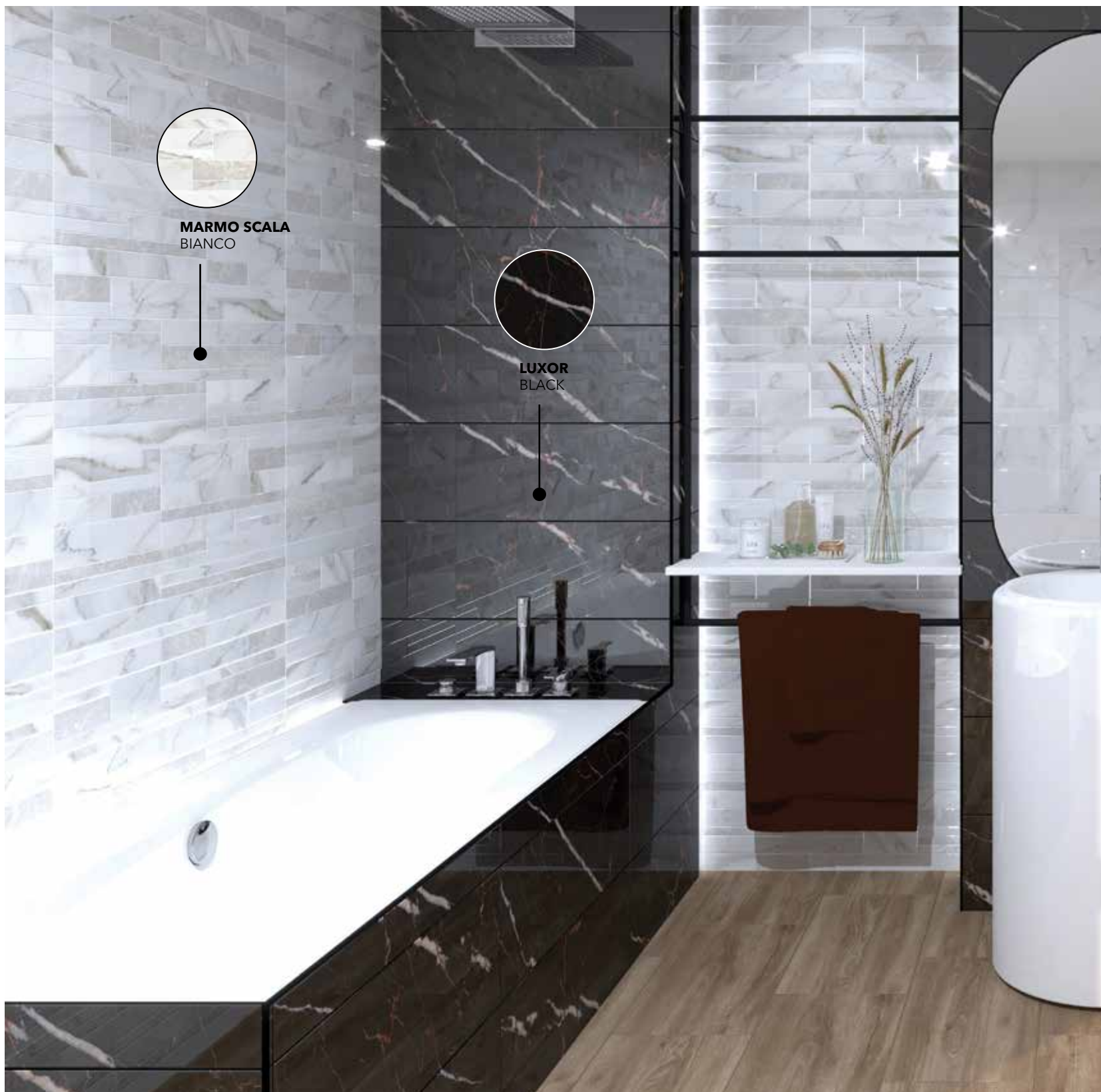
APOLON			
APOLON			
BIANCA			
BIANCA MAT			
CEMENT			
CASTELLO			
CARRARA			
EAGLE			
EVER			
FORUM			
FEELING			
HARDROCK			
HABITAT			
IMPERIAL			
JUPITER			
KINGSTONE			
LUXOR			
LUXOR			
LAND			
MARVEL			
MARMO BIANCO			
MARMO BIANCO			
MARMO BIANCO MAT			
MERCURY			
PASSAGE			
RAPOLANO			
RIVER			
RIVER			
SNOW			
VEGA			
VIA STRADA			



					<b>12</b>
					<b>70</b>
					<b>92</b>
					<b>78</b>
					<b>18</b>
					<b>48</b>
					<b>88</b>
					<b>56</b>
					<b>34</b>
					<b>38</b>
					<b>42</b>
					<b>40</b>
					<b>90</b>
					<b>60</b>
					<b>24</b>
					<b>86</b>
					<b>14</b>
					<b>66</b>
					<b>44</b>
					<b>74</b>
					<b>16</b>
					<b>52</b>
					<b>76</b>
					<b>84</b>
					<b>30</b>
					<b>36</b>
					<b>32</b>
					<b>80</b>
					<b>64</b>
					<b>28</b>
					<b>46</b>

# KOMBINACIJE - COMBINATIONS

POGLEDAJTE KATALOG I NAPRAVITE SVOJU KOMBINACIJU  
SEE THE CATALOG AND MAKE YOUR COMBINATION



**MARMO SCALA  
BIANCO**



**LUXOR  
BLACK**



**MARMO**  
BIANCO

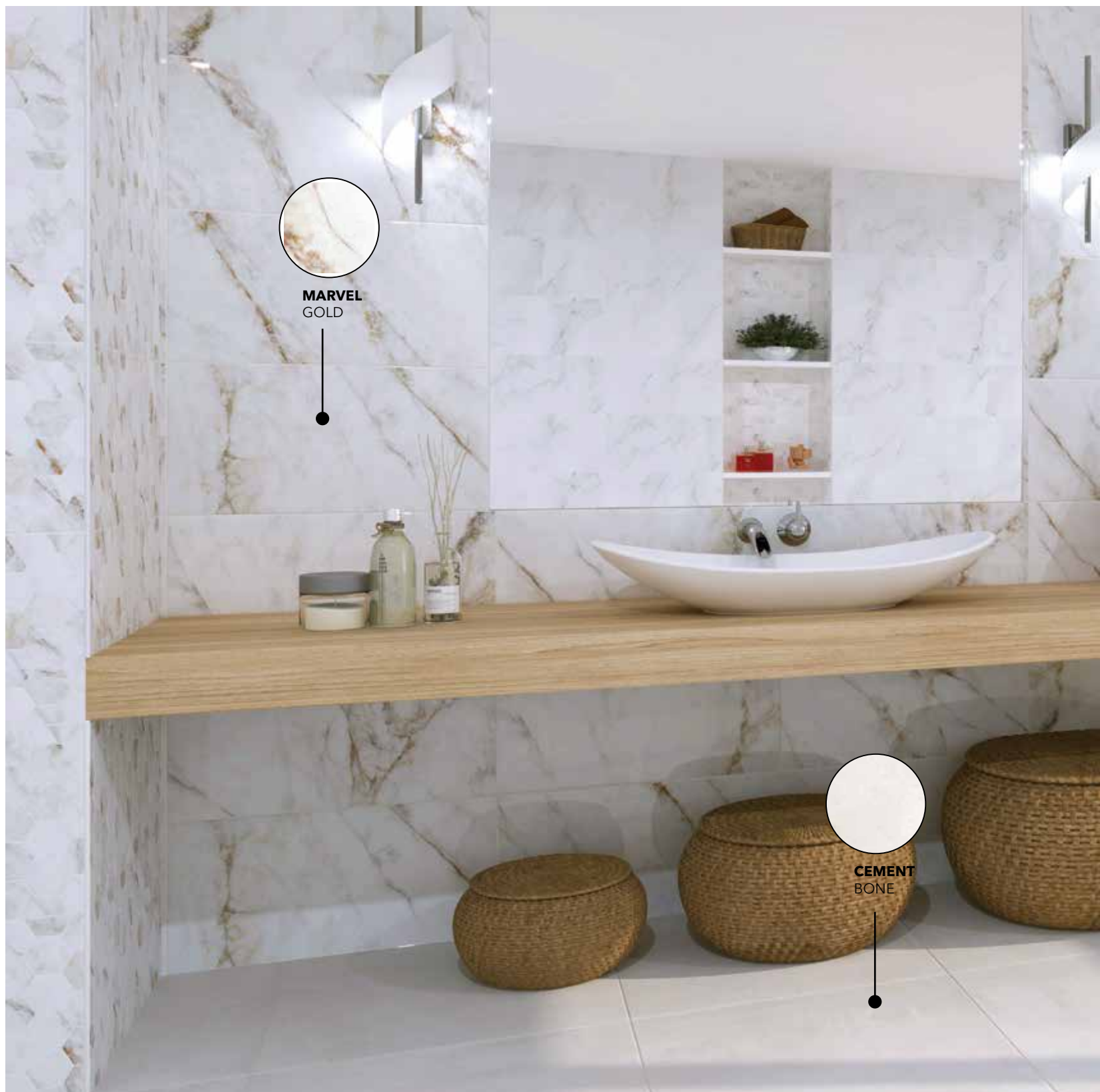


**FEELING**  
NOCE



# KOMBINACIJE - COMBINATIONS

POGLEDAJTE KATALOG I NAPRAVITE SVOJU KOMBINACIJU  
SEE THE CATALOG AND MAKE YOUR COMBINATION







**MARVEL  
GOLD**



**MARMO  
BIANCO**



**MARMO SCALA  
BIANCO**



**FEELING  
BEIGE**





# ***GRES PORCELAIN***

PASSAGE	30
RIVER	32
APOLON	12
LUXOR	14
MARMO BIANCO	16
CEMENT	18
JUPITER	24
VEGA	28
EVER	34
RAPOLANO	36
FORUM	38
HARDROCK	40
FEELING	42
LAND	44
VIA STRADA	46
CASTELLO	48





# APOLON



REKTIFIKOVANE GRES PLOČICE  
RECTIFIED GRES PORCELAIN



APOLON  
DARK\_59X59 RETT

59x59 RETT  
9mm





DIN 51097    DIN 51130



PEI  
3

8

APOLON DARK 59x59 cm **RETT** / FT



Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
							<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
59x59	0,3481	4	1,392	26,25	41,760	820,00	<b>RETT</b> REKTIKOVANA PLOČICA / RECTIFIED TILE

# LUXOR



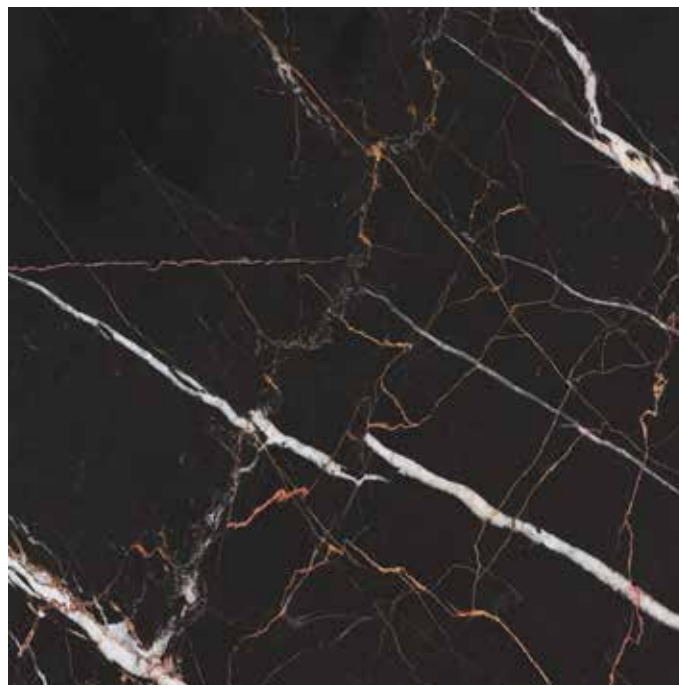
REKTIFIKOVANE GRES PLOČICE  
RECTIFIED GRES PORCELAIN



LUXOR\_59X59 RETT

59x59 RETT  
9mm





PEI  
1

8

LUXOR 59x59 cm **RETT** / FT

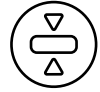


Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of lenght

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
							<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
59x59	0,3481	4	1,392	26,25	41,760	820,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE



# MARMO BIANCO



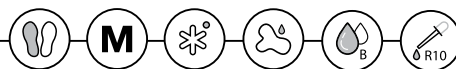
REKTIFIKOVANE GRES PLOČICE  
RECTIFIED GRES PORCELAIN



MARMO  
BIANCO\_59X59 RETT

59x59 RETT  
9mm





DIN 51097    DIN 51130



PEI  
4

7

MARMO BIANCO 59x59 cm RETT / FT



Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNJENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
							<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
59x59	0,3481	4	1,392	26,25	41,760	820,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE

# CEMENT



REKTIKOVANE GRES PLOČICE  
RECTIFIED GRES PORCELAIN

29,5x59 RETT  
8,8mm

59x59 RETT  
9mm



**CEMENT**

Cement BEIGE\_59x59 RETT



Cement LIMESTONE\_29,5x59 RETT  
Cement BONE\_29,5x59 RETT  
Cement BONE\_59x59 RETT



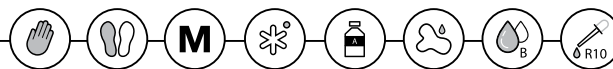




**CEMENT**



Cement SMOKE\_29,5x59 RETT



DIN 51097  
DIN 51130



PEI 4

8

**CEMENT BONE 29,5x59 cm RETT / FT/WT**



PEI 4

8

**CEMENT BEIGE 29,5x59 cm RETT / FT/WT**



PEI 3

8

**CEMENT SMOKE 29,5x59 cm RETT / FT/WT**



PEI 4

8

**CEMENT LIMESTONE 29,5x59 cm RETT / FT/WT**

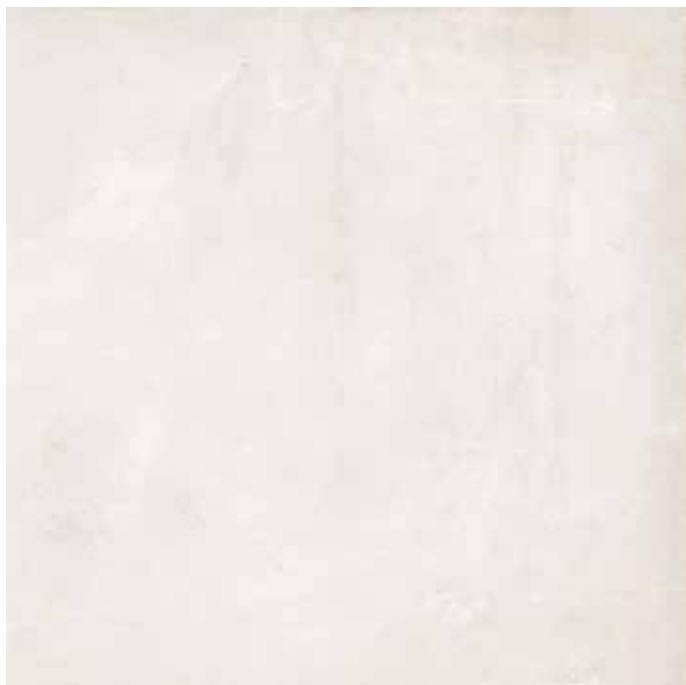


*Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length*

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
29,5x59	0,17405	6	1,044	19,20	50,112	950,00	<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
59x59	0,3481	4	1,392	26,25	41,760	820,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE



DIN 51097    DIN 51130



PEI 4

8

**CEMENT BONE RETT** 59x59 cm / FT

PEI 4

8

**CEMENT BEIGE RETT** 59x59 cm / FT



PEI 3

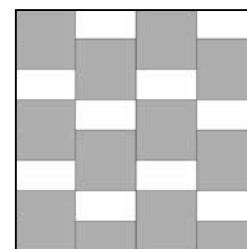
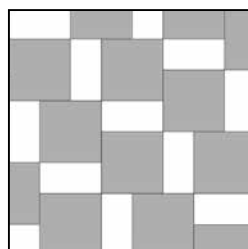
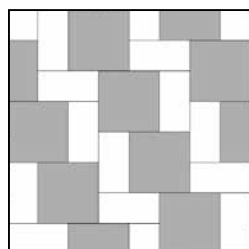
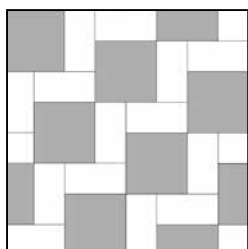
8

**CEMENT SMOKE RETT** 59x59 cm / FT

PEI 4

8

**CEMENT LIMESTONE RETT** 59x59 cm / FT



# JUPITER



REKTIFIKOVANE GRES PLOČICE  
RECTIFIED GRES PORCELAIN

29,5x59 RETT  
8,8mm

59x59 RETT  
9mm



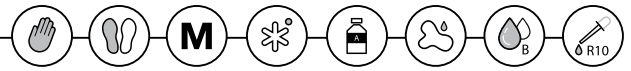




*Jupiter R BEIGE\_ 59x59 RETT*



*Jupiter DARK\_ 29,5x59 RETT*  
*Jupiter R DARK\_ 59x59 RETT*



DIN 51097 DIN 51130



PEI 4

12

JUPITER ICE 29,5x59 cm **RETT** / FT/WT



PEI 4

12

JUPITER BEIGE 29,5x59 cm **RETT** / FT/WT



PEI 3

12

JUPITER DARK 29,5x59 cm **RETT** / FT/WT



Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNJENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
29,5x59	0,17405	6	1,044	19,20	50,112	950,00	<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
59x59	0,3481	4	1,392	26,25	41,760	820,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE



DIN 51097    DIN 51130



PEI 4

8

JUPITER R ICE 59x59 cm RETT / FT



PEI 4

8

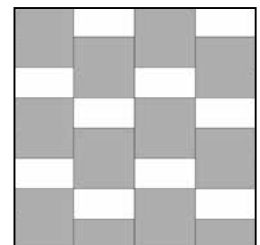
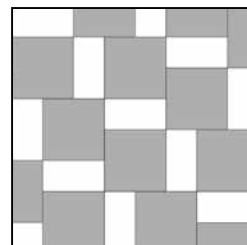
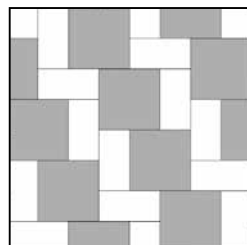
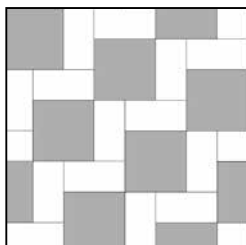
JUPITER R BEIGE 59x59 cm RETT / FT



PEI 3

8

JUPITER R DARK 59x59 cm RETT / FT





# VEGA



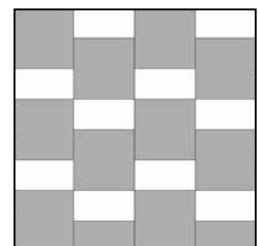
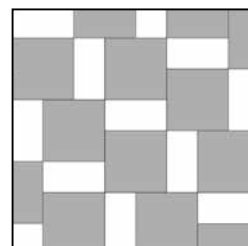
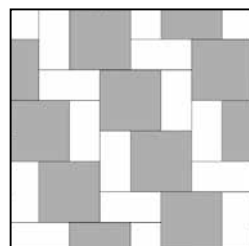
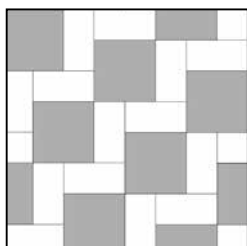
REKTIFIKOVANE GRES PLOČICE  
RECTIFIED GRES PORCELAIN



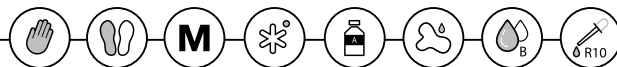
VEGA CREMA\_29,5X59 RETT  
VEGA CREMA\_59X59 RETT

29,5x59 RETT  
8,8mm

59x59 RETT  
9mm



VEGA



DIN 51097 DIN 51130



PEI 4

12

VEGA CREMA 29,5x59 cm **RETT** / FT/WT

VEGA



DIN 51097 DIN 51130



PEI 4

6

VEGA CREMA 59x59 cm **RETT** / FT



Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
29,5x59	0,17405	6	1,044	19,20	50,112	950,00	<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
59x59	0,3481	4	1,392	26,25	41,760	820,00	<b>RETT</b> REKTIKOVANA PLOČICA / RECTIFIED TILE



# PASSAGE



REKTIFIKOVANE GRES PLOČICE  
RECTIFIED GRES PORCELAIN



PASSAGE  
GREY\_59X59 RETT

NOVO  
NEW

59x59 RETT  
9mm







DIN 51097    DIN 51130



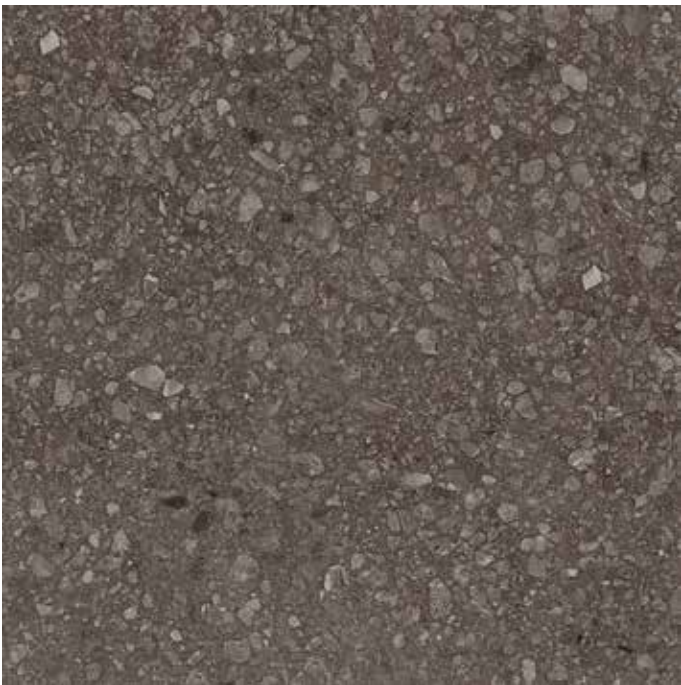
PEI 4  
8

PASSAGE GREY RETT 59x59 cm / FT



PEI 3  
8

PASSAGE DARK GREY RETT 59x59 cm / FT



PEI 4  
8

PASSAGE BROWN RETT 59x59 cm / FT



Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
							<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
59x59	0,3481	4	1,392	26,25	41,760	820,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE

# RIVER



REKTIFIKOVANE GRES PLOČICE  
RECTIFIED GRES PORCELAIN



RIVER  
BEIGE\_59X59 RETT

NOVO  
NEW

59x59 RETT  
9mm





DIN 51097    DIN 51130



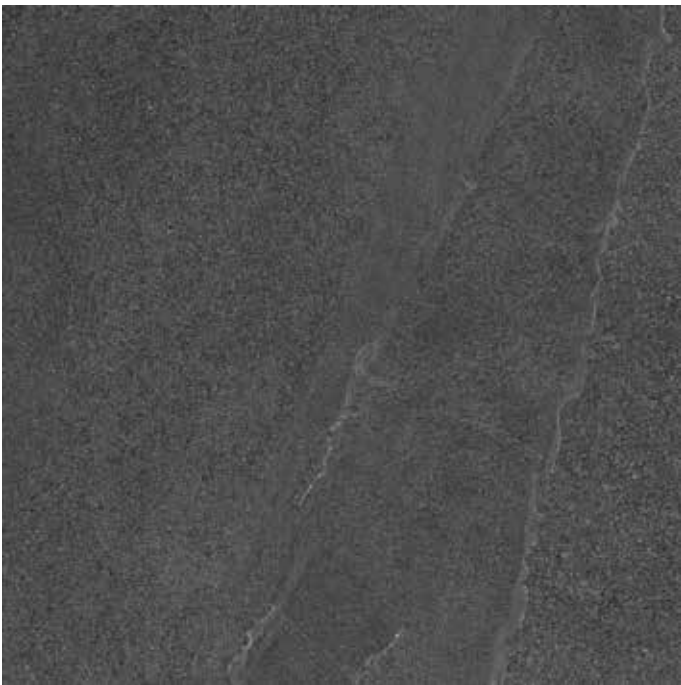
PEI 4  
8

RIVER BEIGE RETT 59x59 cm / FT



PEI 4  
8

RIVER GREY RETT 59x59 cm / FT



PEI 3  
8

RIVER DARK RETT 59x59 cm / FT



Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
							<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
59x59	0,3481	4	1,392	26,25	41,760	820,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE



# EVER



GRES PLOČICE  
GRES PORCELAIN



EVER  
VALNUT\_30X60

30x60  
8,8mm





PEI 3

8

EVER WALNUT 30x60 cm / FT










PEI 3

8

EVER SLATE 30x60 cm / FT



Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
							<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
30x60	0,1800	6	1,080	19,90	51,840	985,00	<b>RETT</b> REKTIKOVANA PLOČICA / RECTIFIED TILE



# RAPOLANO



GRES PLOČICE  
GRES PORCELAIN



RAPOLANO  
TRASTEVERE\_30X60

30x60  
8,8mm





PEI 4

10

RAPOLANO MONTI 30x60 cm / FT








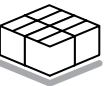
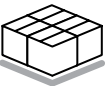
PEI 3

9

RAPOLANO TRASTEVERE 30x60 cm / FT

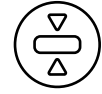


Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
							<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
30x60	0,1800	6	1,080	19,90	51,840	985,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE



# FORUM

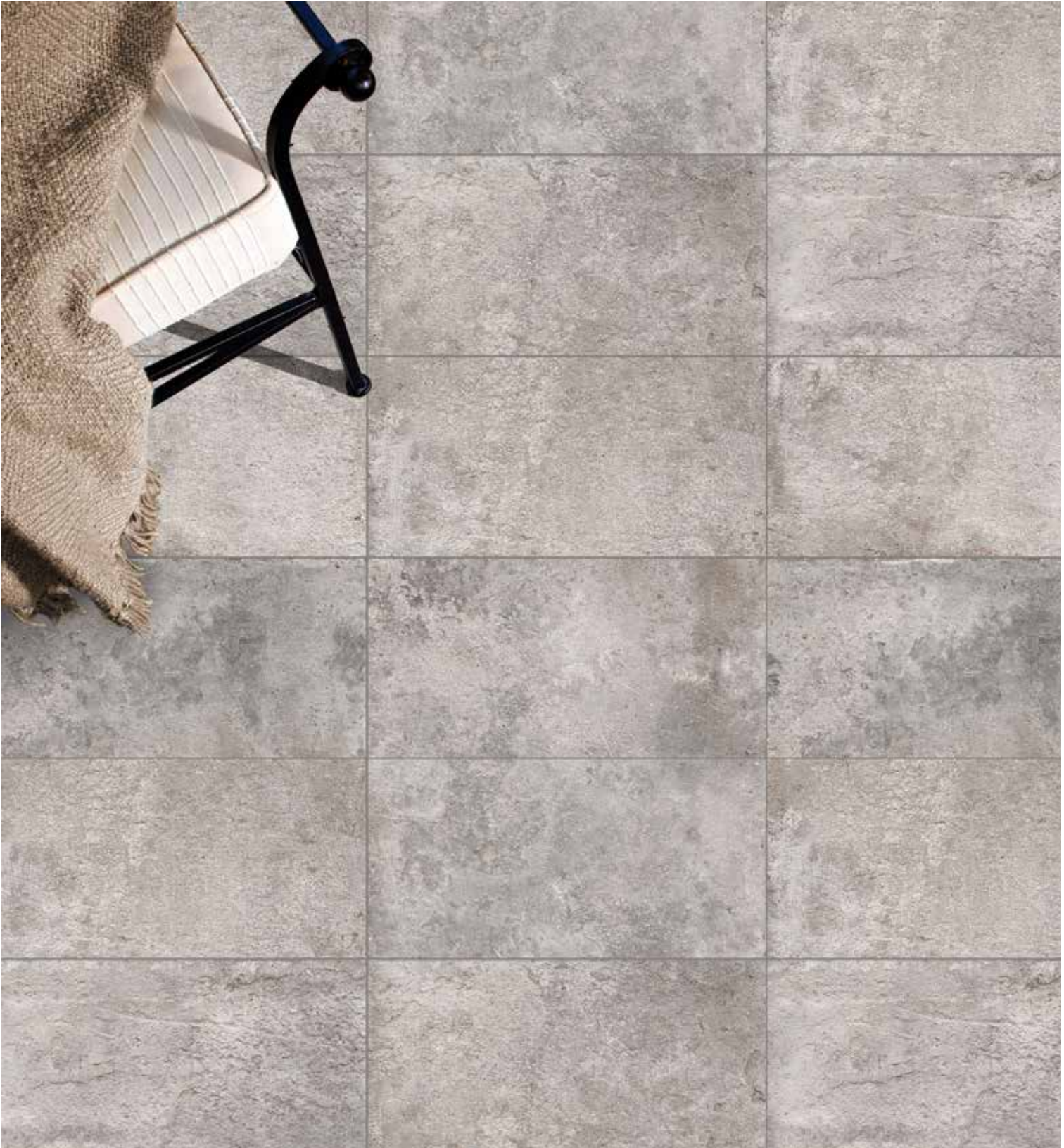


GRES PLOČICE  
GRES PORCELAIN



FORUM  
SAND\_30X60

30x60  
8,8mm





PEI  
4

8

**FORUM LIGHT** 30x60 cm / FT



PEI  
4

8

**FORUM SAND** 30x60 cm / FT



*Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length*

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
							<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
30x60	0,1800	6	1,080	19,90	51,840	985,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE



# HARDROCK



GRES PLOČICE  
GRES PORCELAIN



HARDROCK  
WHITE\_30X60

30x60  
8,8mm





PEI  
4

8

**HARDROCK WHITE** 30x60cm / FT



PEI  
4

8

**HARDROCK TERRA** 30x60 cm / FT



PEI  
4

8

**HARDROCK GREY** 30x60 cm / FT



*Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length*

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
							<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
30x60	0,1800	6	1,080	19,90	51,840	985,00	<b>RETT</b> REKTIKOVANA PLOČICA / RECTIFIED TILE

# FEELING



GRES PLOČICE  
GRES PORCELAIN



FEELING  
BEIGE\_30X60

30x60  
8,8mm







PEI  
4

8

**FEELING BEIGE** 30x60 cm / FT



PEI  
4

8

**FEELING ANTICO** 30x60 cm / FT



PEI  
4

8

**FEELING NOCE** 30x60 cm / FT



Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNJENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
							<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
30x60	0,1800	6	1,080	19,90	51,840	985,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE



# LAND



GRES PLOČICE  
GRES PORCELAIN



LAND  
GREY\_33X33

33x33  
7,3mm





DIN 51097    DIN 51130



PEI 4

5

LAND GREY 33x33 cm / FT



Castello\_33x33



Preporučena fuga / Recommended grout 3 mm

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
							<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
33x33	0,1089	16	1,742	27,04	73,164	1165,00	<b>RETT</b> REKTIKOVANA PLOČICA / RECTIFIED TILE



# VIA STRADA



GRES PLOČICE  
GRES PORCELAIN



VIA STRADA  
GRIGIO\_33X33

33x33  
7,3mm







DIN 51097 DIN 51130



PEI 4

4

VIA STRADA BEIGE 33x33 cm / FT



PEI 4

4

VIA STRADA GRIGIO 33x33 cm / FT



Castello\_33x33



Preporučena fuga / Recommended grout 3 mm

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
							<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
33x33	0,1089	16	1,742	27,04	73,164	1165,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE



# CASTELLO



GRES PLOČICE  
GRES PORCELAIN



CASTELLO\_33X33

33x33  
7,3mm







DIN 51097    DIN 51130



PEI 4

4

CASTELLO 33x33 cm / FT



Castello\_33x33



Preporučena fuga / Recommended grout 3 mm

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
							<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
33x33	0,1089	16	1,742	27,04	73,164	1165,00	<b>RETT</b> REKTIKOVANA PLOČICA / RECTIFIED TILE

# ZIDNE PLOČICE

# WALL TILES

MARMO BIANCO	52
EAGLE	56
IMPERIAL	60
SNOW	64
LUXOR	66
RIVER	80
APOLON	70
MARVEL	74
MARMO BIANCO MAT	76
BIANCA MAT	78
MERCURY	84
KINGSTONE	86
CARRARA	88
HABITAT	90
BIANCA	92







# MARMO BIANCO



ZIDNE I PODNE PLOČICE  
WALL AND FLOOR TILES

25x75  
9,2mm

59x59 RETT  
9mm



## MARMO BIANCO



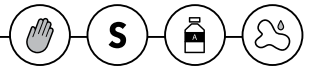
*Marmo Bianco\_ 25x75*  
*Marmo Bianco\_ 59x59 RETT*



*Marmo Bianco\_ 25x75*  
*Marmo Scala Bianco\_ 25x75*  
*Marmo Bianco\_ 59x59 RETT*







10

**MARMO BIANCO** 25x75 cm / WT



6

**MARMO SCALA BIANCO** 25x75 cm / WT



DIN 51097    DIN 51130



PEI 4

7








**MARMO BIANCO** 59x59 cm **RETT** / FT



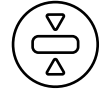
Marmo Bianco\_25x75  
Marmo Scala Bianco\_25x75



Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
25x75	0,1875	7	1,312	19,95	62,976	990,00	<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
DECOR 25x75	0,1875	7	1,312	19,95	62,976	990,00	<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
59x59	0,3481	4	1,392	26,25	41,760	820,00	<b>RETT</b> REKTIKOVANA PLOČICA / RECTIFIED TILE

# EAGLE



ZIDNE I PODNE PLOČICE  
WALL AND FLOOR TILES

25x75  
9,2mm

45x45  
8,2mm







*Eagle IVORY\_25x75*



*Eagle IVORY\_25x75*  
*Eagle SMOKE\_25x75*  
*Eagle Zenith BASIC\_25x75*  
*Eagle IVORY\_45x45*





10



EAGLE IVORY 25x75 cm / WT

10



EAGLE SMOKE 25x75 cm / WT

10



EAGLE ZENITH BASIC 25x75 cm / WT



DIN 51097    DIN 51130

PEI 4

8



EAGLE IVORY 45x45 cm / FT

PEI 3

8



EAGLE SMOKE 45x45 cm / FT



Eagle SMOKE\_25x75



**SAVRŠENO SE SLAŽU SA PODNIM PLOČICAMA / THEIR PERFECT MATCH AMONG FLOOR TILES:**



**CEMENT**  
BONE



**CEMENT**  
BEIGE



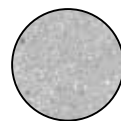
**CEMENT**  
LIMESTONE



**FEELING**  
NOCE



**FEELING**  
ANTICO



**PASSAGE**  
GREY



**PASSAGE**  
DARK

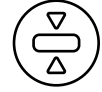


Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA/ SYMBOL EXPLANATION
25x75	0,1875	7	1,312	19,95	62,976	990,00	<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
DECOR 25x75	0,1875	7	1,312	19,95	62,976	990,00	<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
45x45	0,2025	8	1,620	29,65	71,280	1335,00	<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup> <b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE



# IMPERIAL



ZIDNE I PODNE PLOČICE  
WALL AND FLOOR TILES

25x75  
9,2mm

45x45  
8,2mm



# IMPERIAL



Imperial BLUE\_ 45x45



Imperial BLUE\_ 25x75  
Imperial LIGHT\_ 25x75  
Imperial PRIME\_ 25x75  
Imperial BLUE\_ 45x45







12

**IMPERIAL LIGHT** 25x75 cm / WT



12

**IMPERIAL BLUE** 25x75 cm / WT



6

**IMPERIAL PRIME** 25x75 cm / WT



DIN 51097    DIN 51130



PEI 1

8

**IMPERIAL BLUE** 45x45 cm / FT





Imperial LIGHT\_25x75  
Imperial PRIME\_25x75



**SAVRŠENO SE SLAŽU SA PODNIM PLOČICAMA / THEIR PERFECT MATCH AMONG FLOOR TILES:**



**EVER**  
SLATE



**EVER**  
WALNUT



**CEMENT**  
LIMESTONE



**FEELING**  
NOCE



**FEELING**  
BEIGE



*Preporučena fuga / Recommended grout 3 mm*  
*Preklapanje max. 30% dužine / Overlap max. 30% of length*

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
25x75	0,1875	7	1,312	19,95	62,976	990,00	<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
DECOR 25x75	0,1875	7	1,312	19,95	62,976	990,00	<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
45x45	0,2025	8	1,620	29,65	71,280	1335,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE

# SNOW



ZIDNE PLOČICE  
FLOOR TILES

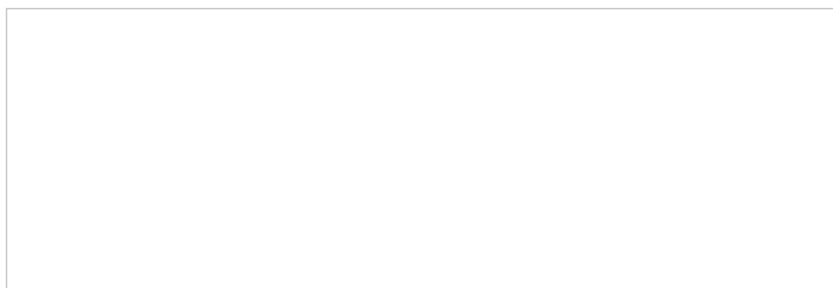


SNOW\_25X75  
SNOW MOSAIC 3D\_25X75  
FEELING ANTICO\_30X60

25x75  
9,2mm



1



**SNOW** 25x75 cm / WT

1



**SNOW MOSAIC 3D** 25x75 cm / WT



**SAVRŠENO SE SLAŽU SA PODNIM PLOČICAMA / THEIR PERFECT MATCH AMONG FLOOR TILES:**



Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
25x75	0,1875	7	1,312	19,95	62,976	990,00	<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
DECOR 25x75	0,1875	7	1,312	19,95	62,976	990,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE



# LUXOR



ZIDNE I PODNE PLOČICE  
WALL AND FLOOR TILES

25x75  
9,2mm

59x59 RETT  
9mm





*Luxor WHITE\_ 25x75*  
*Luxor Mosaic 3D WHITE\_ 25x75*



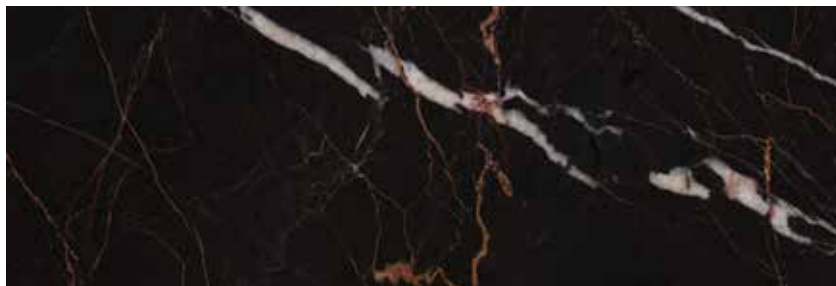
*Luxor BLACK\_ 25x75*  
*Luxor WHITE\_ 25x75*  
*Luxor\_59x59 RETT*



8

**LUXOR WHITE** 25x75 cm / WT

10

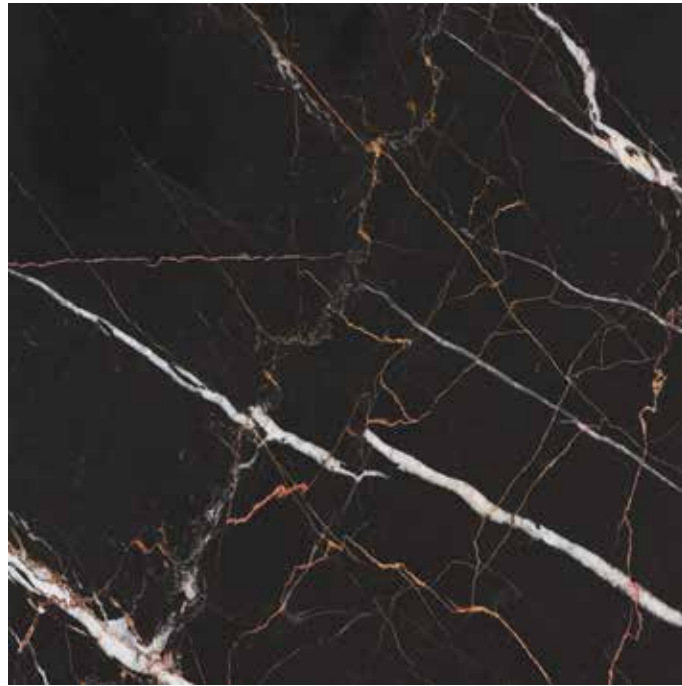
**LUXOR BLACK** 25x75 cm / WT

6

**LUXOR MOSAIC 3D WHITE** 25x75 cm / WT

*Preporučena fuga / Recommended grout 3 mm*  
*Preklapanje max. 30% dužine / Overlap max. 30% of length*





PEI  
1

8

LUXOR 59x59 cm RETT / FT

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
25x75	0,1875	7	1,312	19,95	62,976	990,00	<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
DECOR 25x75	0,1875	7	1,312	19,95	62,976	990,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE

# APOLON



ZIDNE I PODNE PLOČICE  
WALL AND FLOOR TILES

25x75  
9,2mm

59x59 RETT  
9mm





## **APOLON**



*Apolon DARK\_30x60*  
*Apolon LIGHT\_30x60*



*Apolon LIGHT\_30x60*  
*Apolon Deco\_30x60*







9

**APOLON LIGHT** 30x60 cm / WT



8

**APOLON DARK** 30x60 cm / WT



8

**APOLON DECO** 30x60 cm / WT



PEI 3

8

APOLON DARK 59x59 cm RETT / FT



SAVRŠENO SE SLAŽU SA PODNIM PLOČICAMA / THEIR PERFECT MATCH AMONG FLOOR TILES:



**CEMENT BONE**



**CEMENT SMOKE**



**CEMENT LIMESTONE**



**RIVER GREY**



**FEELING NOCE**



**FEELING ANTICO**



**EVER WALNUT**



Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNJENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
30x60	0,1800	6	1,080	16,40	51,840	820,00	<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
59x59	0,3481	4	1,392	26,25	41,760	820,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE

# MARVEL



ZIDNE I PODNE PLOČICE  
WALL AND FLOOR TILES



MARVEL GOLD\_30X60  
MARVEL HEXAGON\_30X60  
FEELING NOCE\_30X60

30x60  
8,8mm

45x45  
8,2mm







9

**MARVEL GOLD 30x60 cm / WT**



8

**MARVEL HEXAGON 30x60 cm / WT**



**SAVRŠENO SE SLAŽU SA PODNIM PLOČICAMA / THEIR PERFECT MATCH AMONG FLOOR TILES:**



**CEMENT BONE**



**CEMENT BEIGE**



**CEMENT LIMESTONE**



**FEELING NOCE**



**FEELING BEIGE**



**EVER SLATE**



**EVER WALNUT**



*Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length*

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
30x60	0,1800	6	1,080	16,40	51,840	820,00	<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
DECOR 30x60	0,1800	6	1,080	16,40	51,840	820,00	<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup> <b>RETT</b> REKTIKOVANA PLOČICA / RECTIFIED TILE

# MARMO BIANCO MAT



ZIDNE PLOČICE  
WALL TILES



MARMO  
BIANCO MAT\_30X60

NOVO  
NEW

30x60  
9,2mm





**MARMO BIANCO MAT** 30x60 cm / WT



**SAVRŠENO SE SLAŽU SA PODNIM PLOČICAMA / THEIR PERFECT MATCH AMONG FLOOR TILES:**



**CEMENT**  
BONE



**CEMENT**  
BEIGE



**CEMENT**  
LIMESTONE



**FEELING**  
NOCE



**FEELING**  
BEIGE



**EVER**  
SLATE



**EVER**  
WALNUT



*Preporučena fuga / Recommended grout 3 mm*  
*Preklapanje max. 30% dužine / Overlap max. 30% of length*

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNJENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
							<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
30x60	0,1800	6	1,080	16,40	51,840	820,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE



# BIANCA MAT



ZIDNE PLOČICE  
WALL TILES

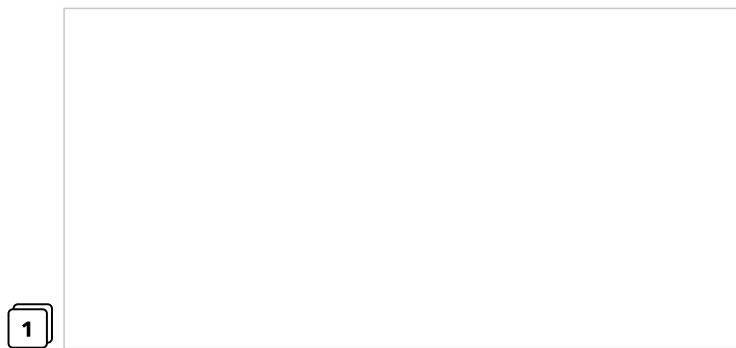


BIANCA MAT\_30X60  
FEELING NOCE 30X60

NOVO  
NEW

30x60  
9,2mm





1

**BIANCA MAT** 30x60 cm / WT



**SAVRŠENO SE SLAŽU SA PODNIM PLOČICAMA / THEIR PERFECT MATCH AMONG FLOOR TILES:**



*Preporučena fuga / Recommended grout 3 mm*  
*Preklapanje max. 30% dužine / Overlap max. 30% of length*

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNJENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
							<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
30x60	0,1800	6	1,080	16,40	51,840	820,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE

# RIVER



ZIDNE PLOČICE  
WALL TILES

NOVO  
NEW

30x60  
8,8mm





**RIVER**

River GREY\_ 30x60  
River GREY\_ 59x59 RETT



River BEIGE\_ 30x60  
River BEIGE\_ 59x59 RETT

8



**RIVER BEIGE** 30x60 cm / WT

8



**RIVER GREY** 30x60 cm / WT



**SAVRŠENO SE SLAŽU SA PODNIM PLOČICAMA / THEIR PERFECT MATCH AMONG FLOOR TILES:**



**CEMENT BONE**



**CEMENT BEIGE**



**CEMENT LIMESTONE**



**EVER SLATE**



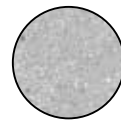
**EVER WALNUT**



**FEELING NOCE**



**FEELING ANTICO**



**PASSAGE GREY**



**PASSAGE BROWN**

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNJENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
							<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
30x60	0,1800	6	1,080	16,40	51,840	820,00	<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
59x59	0,3481	4	1,392	26,25	41,760	820,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE



NOVO  
NEW



DIN  
51097



DIN  
51130



PEI  
4

8

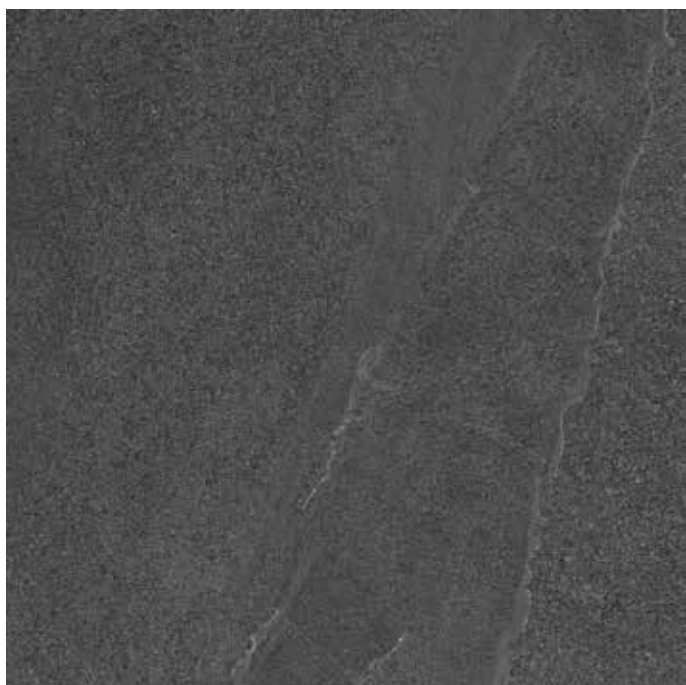
**RIVER BEIGE RETT** 59x59 cm / FT



PEI  
4

8

**RIVER GREY RETT** 59x59 cm / FT



PEI  
3

8

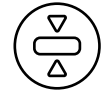
**RIVER DARK RETT** 59x59 cm / FT



*Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length*



# MERCURY



ZIDNE I PODNE PLOČICE  
WALL AND FLOOR TILES



MERCURY BEIGE\_ 25X50  
MERCURY CRAFT\_ 25X50  
MERCURY ICE\_ 33X33  
FEELING NOCE 30X60

25x50  
8,8mm  
33x33  
7,3mm



SAVRŠENO SE SLAŽU SA PODNIM PLOČICAMA / THEIR PERFECT MATCH AMONG FLOOR TILES:



**CEMENT**  
BONE



**CEMENT**  
BEIGE



**CEMENT**  
LIMESTONE



**CEMENT**  
SMOKE



**FEELING**  
ANTICO



**FEELING**  
NOCE



**FEELING**  
BEIGE



**EVER**  
SLATE



**EVER**  
WALNUT



**RIVER**  
GREY



**RIVER**  
BEIGE

12



MERCURY ICE 25x50 cm / WT

12



MERCURY BEIGE 25x50 cm / WT

6



MERCURY CRAFT 25x50 cm / WT

PEI 4

12



MERCURY ICE 33x33 cm / FT



Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
25x50	0,1250	10	1,250	17,80	60,000	885,00	<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
DECOR 25x50	0,1250	10	1,250	17,80	60,000	885,00	<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
33x33	0,1089	16	1,742	27,04	73,164	1165,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE

# KINGSTONE



ZIDNE I PODNE PLOČICE  
WALL AND FLOOR TILES



KINGSTONE ICE\_ 25X50  
KINGSTONE ONDA 3D ICE\_ 25X50  
KINGSTONE GREY\_ 45X45

25x50  
8,8mm

45x45  
8,2mm



**SAVRŠENO SE SLAŽU SA PODNIM PLOČICAMA / THEIR PERFECT MATCH AMONG FLOOR TILES:**



**CEMENT**  
BONE



**CEMENT**  
LIMESTONE



**FEELING**  
NOCE



**FEELING**  
ANTICO



**EVER**  
SLATE



**VEGA**  
CREMA





11

KINGSTONE ICE 25x50 cm / WT



11

KINGSTONE ONDA 3D ICE 25x50 cm / WT



11

KINGSTONE GREY 25x50 cm / WT



DIN 51097 DIN 51130



PEI 3

9

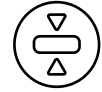
KINGSTONE GREY 45x45 cm / FT



Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
25x50	0,1250	10	1,250	17,80	60,000	885,00	<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
DECOR 25x50	0,1250	10	1,250	17,80	60,000	885,00	<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
45x45	0,2025	8	1,620	29,65	71,280	1335,00	<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
							<b>RETT</b> REKTIKOVANA PLOČICA / RECTIFIED TILE

# CARRARA



ZIDNE I PODNE PLOČICE  
WALL AND FLOOR TILES



CARRARA\_25X50  
CARRARA ONDA 3D\_25X50  
CARRARA\_45X45

25x50  
8,8mm

45x45  
8,2mm



SAVRŠENO SE SLAŽU SA PODNIM PLOČICAMA / THEIR PERFECT MATCH AMONG FLOOR TILES:



**CEMENT**  
BONE



**CEMENT**  
BEIGE



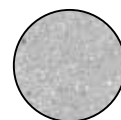
**CEMENT**  
LIMESTONE



**FEELING**  
NOCE



**FEELING**  
ANTICO



**PASSAGE**  
GREY



**PASSAGE**  
DARK GREY



**EVER**  
SLATE



**EVER**  
WALNUT



10

**CARRARA** 25x50 cm / WT

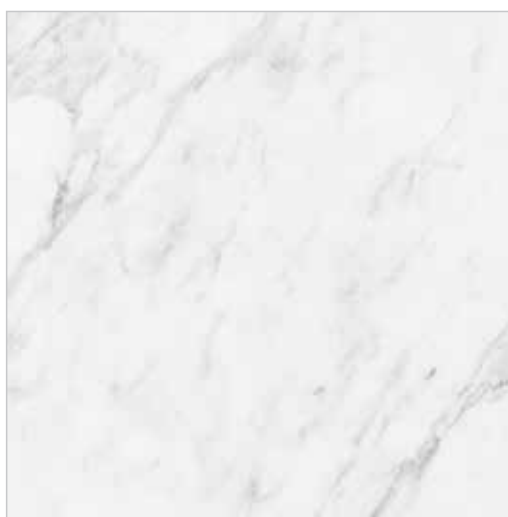


10

**CARRARA ONDA 3D** 25x50 cm / WT



DIN 51097 DIN 51130



PEI 4

8

**CARRARA** 45X45 cm / FT



Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
25x50	0,1250	10	1,250	17,80	60,000	885,00	<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
DECOR 25x50	0,1250	10	1,250	17,80	60,000	885,00	<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
45x45	0,2025	8	1,620	29,65	71,280	1335,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE



# HABITAT



ZIDNE I PODNE PLOČICE  
WALL AND FLOOR TILES

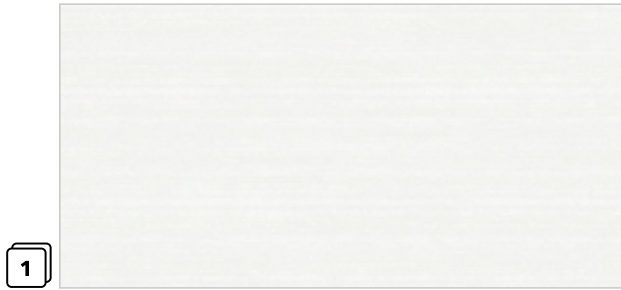
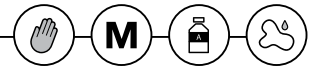


HABITAT ICE\_25X50  
WAVES ICE\_25X50  
HABITAT GREY\_25X50  
HABITAT GREY\_45X40

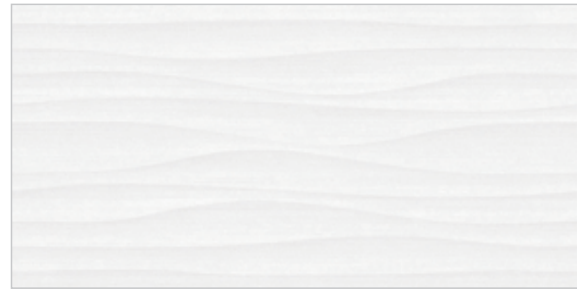
25x50  
8,8mm

33x33  
7,3mm





HABITAT ICE 25x50 cm / WT



HABITAT ICE ONDA 3D 25x50 cm / WT



HABITAT GREY 25x50 cm / WT



WAVES ICE 25x50 cm / WT



DIN 51097 DIN 51130



HABITAT GREY 33x33 cm / FT



Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
25x50	0,1250	10	1,250	17,80	60,000	885,00	<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
DECOR 25x50	0,1250	10	1,250	17,80	60,000	885,00	<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
33x33	0,1089	16	1,742	27,04	73,164	1165,00	<b>RETT</b> REKTIFIKOVANA PLOČICA / RECTIFIED TILE

# BIANCA



ZIDNE I PODNE PLOČICE  
WALL AND FLOOR TILES

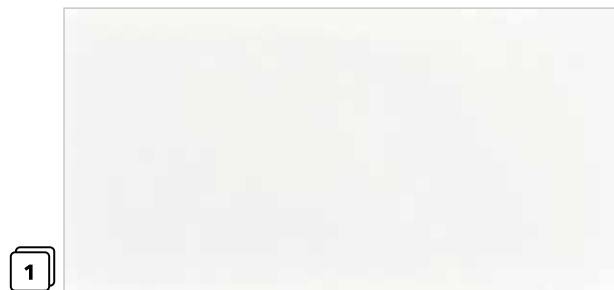


BIANCA \_25X50  
BIANCA ONDA 3D\_25X50

25x50  
8,8mm







**BIANCA** 25x50 cm / WT










**BIANCA ONDA 3D** 25x50 cm / WT



**SAVRŠENO SE SLAŽU SA PODNIM PLOČICAMA / THEIR PERFECT MATCH AMONG FLOOR TILES:**



Preporučena fuga / Recommended grout 3 mm  
Preklapanje max. 30% dužine / Overlap max. 30% of length

FORMAT	M <sup>2</sup> KOM/PC	KOM/PC	M <sup>2</sup>	KG	M <sup>2</sup> /PAL	KG/PAL	OBJAŠNENJE SIMBOLA SYMBOL EXPLANATION
							<b>WT</b> WALL TILES / ZIDNE PLOČICE M <sup>2</sup>
25x50	0,1250	10	1,250	17,80	60,000	885,00	<b>WT</b> WALL TILES / ZIDNE PLOČICE / DECOR M <sup>2</sup>
DECOR 25x50	0,1250	10	1,250	17,80	60,000	885,00	<b>FT</b> FLOOR TILES / PODNE PLOČICE M <sup>2</sup>
							<b>RETT</b> REKTIKOVANA PLOČICA / RECTIFIED TILE



# ***TEHNIČKE KARAKTERISTIKE***

# ***TECHNICAL CHARACTERISTICS***

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# TEHNIČKE KARAKTERISTIKE

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„Keramika Kanjiža“ doo iz Kanjiže proizvodi suvo presovane, jednom žarene podne i zidne keramičke pločice (takozvanu monokoturu i monoporožu) kao i ukrasnu galanteriju. Podne pločice su otporne na mraz, pogodne su za postavljanje spolja. Naše keramičke pločice u svim segmentima ispunjavaju zahteve harmonizovanog evropskog standarda SRPS EN 14411.

## STANDARDI

Od decembra 2005. godine primenjuje se standard SRPS EN 14411, objavljen uz dozvolu Evropskog komiteta za standardizaciju CEN. Ovaj standard je identičan međunarodnom standardu EN 14411, koji je obavezan za primenu u svim zemljama članicama Evropske Unije. CE znak je simbol usaglašenosti proizvoda, proizvedenog u skladu sa harmonizovanim standardom koji ispunjava bitne zahteve direktive za građevinske proizvode.

Keramičke pločice razvrstavaju se na klase kvaliteta 1, 2 i 3 ispitane sledećim standardima:

SRPS EN 14411 Keramičke pločice – Definicije, klasifikacija, karakteristike, vrednovanje usaglašenosti i označavanje - Definiše termine klasifikacije, karakteristike, vrednovanje usaglašenosti i zahteve za označavanje keramičkih pločica klase kvaliteta 1.

SRPS B.D1.330 Keramičke pločice - Klasifikacija, karakteristike, ocenjivanje i verifikacija stalnosti performansi i označavanje - Definiše klasifikaciju, karakteristike, vrednovanje usaglašenosti i zahteve za označavanje keramičkih pločica klase kvaliteta 2 i 3.

Keramičke pločice razvrstavaju se prema načinu oblikovanja na:

- Keramičke pločice proizvedene vučenjem, Metoda A,
- Keramičke pločice proizvedene suvim presovanjem, Metoda B

Keramičke pločice razvrstavaju se prema upijanju vode na:

- Grupa Ia ako je upijanje vode manje od 0,5%
- Grupa Ib ako je upijanje vode od 0,5 do 3%
- Grupa IIa ako je upijanje vode od 3 do 6%
- Grupa IIb ako je upijanje vode od 6 do 10%
- Grupa III ako je upijanje vode preko 10%

Podela prema prirodi vidne površine:

- Glazirane (GL)
- Neglazirane (UGL)

Asortiman proizvoda Keramika Kanjiža razvrstava se na:

Podne pločice Grupa B Ia Prilog G

Zidne pločice Grupa B III Prilog K

Metode ispitivanja korišćene za određivanje karakteristika proizvoda su opisane u standardima SRPS ISO 10545.

SRPS ISO 10545-1 Uzimanje uzoraka i osnove za prihvatanje – Ovaj standard utvrđuje broj uzoraka koje treba proveriti iz partije i maksimalni broj dozvoljenih grešaka.

SRPS ISO 10545-2 Određivanje mera i kvaliteta vidne površine – Ovim standardom utvrđuje se metoda za određivanje mernih karakteristika (dužina, širina, debljina, pravost stranica, odstupanje od pravog ugla, ravnost površine) i kvalitet površine keramičkih pločica.

SRPS ISO 10545-3 Određivanje upijanja vode, prividne poroznosti, prividne relativne zapreminske mase i zapreminske mase – Ovim ispitivanjem se utvrđuje metoda za određivanje upijanja vode i prividne poroznosti keramičkih pločica.

SRPS ISO 10545-4 Određivanje modula loma pri savijanju i čvrstoće pri lomu – Utvrđuje metodu ispitivanja za određivanje čvrstoće pri lomu. Dobijeni podatak ukazuje na opterećenje koju pločica može podneti.

SRPS ISO 10545-7 Određivanje otpornosti glaziranih pločica prema površinskom habanju – PEI klasifikacija – Ocenjuje otpornost glazure prema površinskom habanju. Postupak se vrši rotiranjem sredstva za habanje i ocenjivanjem delovanja habanja, vizuelnim poređenjem pločica izloženih habanju i pločica koje nisu bile izložene habanju. Ocenjivanje proizvoda se vrši od 0 do 5, u zavisnosti od broja obrtaja rotirajućeg sredstva i pojave oštećenja (5 je najviša klasa otpornosti glaziranih pločica prema površinskom habanju).

PEI - klasifikacija glaziranih podnih pločica u odnosu na njihovu otpornost prema habanju.

PEI 0 Glazirane pločice u ovoj klasi ne preporučuju se za korišćenje na podovima.

PEI 1 Prikladno za pokrivanje podnih površina u kojima se hoda isključivo u obući sa mekanim đonovima ili bosonog, bez nečistoća koje grebu podnu površinu (na primer stambena kupatila i spavaće sobe bez direktnog pristupa spolja).

PEI 2 Prikladno za pokrivanje podnih površina u kojima se hoda u mekanoj ili običnoj obući sa uobičajeno malim količinama nečistoće koja grebe površinu (na primer sobe i prostori za dnevni boravak u kućama i stanovima sa izuzetkom kuhinja, ulaza i prostora u kojima je veliki promet).

PEI 3 Prikladno za pokrivanje podnih površina gde se često hoda u običnoj obući sa malo nečistoće koja grebe pod (na primer stambene kuhinje, holovi, hodnici, balkoni, terase). Ne odnosi se na izuzetnu obuću, na primer čizme okovane ekserima.

PEI 4 Prikladno za podove tamno gde se odvija uobičajen promet sa nešto više nečistoće koja grebe pod (na primer ulazi, javne kuhinje, hoteli, izložbeni i prodajni prostori).

PEI 5 Prikladno za podove sa stalnim velikim prohodnim opterećenjem i prisutnom prljavštinom koja grebe (na primer javne površine kao što su trgovački centri, unutrašnje aerodromske prostorije, hotelska predvorja i primena u industriji).

Ova klasifikacija važi za primenu pod uobičajenim uslovima.

Informacija o otpornosti podnih pločica prema habanju navedena je ispod slike podnih pločica.

SRPS ISO 10545-8 Određivanje linearnog termičkog širenja – Određuje se koeficijent linearnog termičkog širenja za opseg od sobne temperature do 100 °C. Vrednost pokazuje u kojoj meri će se postavljena pločica širiti usled temperaturnih promena. Ovaj podatak treba da se uzme u obzir prilikom određivanja debljine fuge između pločica.

SRPS ISO 10545-9 Određivanje otpornosti prema temperaturnom šoku – Pločica se izlaže nagloj promeni temperature i nakon toga se proverava pojava oštećenja.

SRPS ISO 10545-10 Određivanje širenja vlaženjem – Ovim standardom se utvrđuje metoda za određivanje širenja keramičkih pločica vlaženjem. Podatak pomaže prilikom dimenzionisanja fuge između pločica.

SRPS ISO 10545-11 Određivanje otpornosti prema vlasavosti glaziranih pločica – Vršni se proverava pojava pukotina na površini glazirane pločice nakon tretiranja sa parom na pritisku od 500 kPa i temperaturi od 159 °C, dva sata u autoklavu.

SRPS ISO 10545-12 Određivanje otpornosti prema mrazu – Po ovoj metodi pločice se izlažu smrzavanju i otapanju u temperaturnom opsegu od -5 °C do +5 °C, najmanje 100 ciklusa. Ovo ispitivanje simulira ponašanje proizvoda u spoljašnjim klimatskim uslovima.

SRPS ISO 10545-13 Određivanje otpornosti prema hemikalijama – Ovim ispitivanjem se utvrđuje otpornost pločica prema dejstvu hemikalija za domaćinstvo, soli u vodi bazena za plivanje, kiselina, baza i otpornost prema dejstvu olovke HB tvrdoće. U zavisnosti od vrste hemikalija i otpornosti pločice se dele u sledeće klase:

Hemikalije za domaćinstvo i soli u vodi bazena za plivanje:

- A bez vidljivih efekata
- B male promene u izgledu ili ako pločice nisu prošle test olovke HB tvrdoće
- C značajne promene

Kiseline i baze (malih koncentracija)

- LA bez vidljivih efekata
- LB male promene u izgledu ili ako pločice nisu prošle test olovke HB tvrdoće
- LC značajne promene

Kiseline i baze (velikih koncentracija)

- HA bez vidljivih efekata
- HB male promene u izgledu ili ako pločice nisu prošle test olovke HB tvrdoće
- HC značajne promene

SRPS ISO 10545-14 Određivanje otpornosti prema stvaranju mrlja – Vidna površina pločice se dovodi u kontakt sa sredstvom za stvaranje mrlja, nakon odstranjivanja vrši se klasifikacija. Klasifikacija se vrši od 5 do 1 u zavisnosti od lakoće uklanjanja mrlje, pri čemu se kod klase 5 najlakše uklanja mrlja.

DIN 51130:2004-06 Utvrđivanje karakteristika za sprečavanje klizavosti

Za veće podne površine, industrijske i komercijalne namene poželjno je da je koeficijent trenja viši od onih koji se koristi u kućama.

Nemački standard DIN 51130:2010-10 definiše postupak i služi za testiranje i klasificiranje anti kliznih svojstava podnih obloga koji su predviđeni za korišćenje u radnim prostorima i područjima gde je prisutna opasnost od klizanja. Prihvaćeni ugao se utvrđuje na podnoj oblozi premazanoj sa sredstvom za podmazivanje (ulje) a osoba koja sprovodi kontrolu sa kontrolnim cipelama kreće se napred - nazad po kontrolisanoj podnoj oblozi koja se počinje naginjati od horizontalnog stanja i nagib raste do prihvaćenog ugla tj. ugla pri kom kontrolor dostiže granicu sigurnog hodanja. Prihvaćeni ugao služi za ocenu stepena otpornosti na klizanje

PRIHVAĆENI UGAO	KLASA OTPORNOSTI NA KLIZANJE	PREPORUČUJE SE
6° do 10°	R 9	Ulazi u kuće, dnevni boravak...
10° do 19°	R 10	Hodnici, prodavnice, radionice...
19° do 27°	R 11	Terase, balkoni...
27° do 35°	R 12	Stepeništa, gazišta u vrtu...
Preko 35°	R 13	Oblasti sa specijalnim zahtevima

DIN 51097:02.80 Utvrđivanje karakteristika za sprečavanje klizavosti

U uslovima vlažnosti, na gazištima podnih obloga koje se koriste u kupatilu, svlačionicama, sanitarnim čvorovima i sličnim prostorijama, ocenjuju se karakteristike podnih obloga po ovom standardu.

tokom izvođenja postupka kontinuirano i jednolično se nanosi tečnost na test podnu oblogu koja se počinje naginjati od horizontalnog stanja i nagib raste do prihvaćenog ugla tj. ugla pri kom kontrolor dostiže granicu sigurnog hodanja. Osoba koja sprovodi kontrolu kreće se napred - nazad po kontrolisanoj podnoj oblozi bosih nogu. U zavisnosti od postignutog ugla nagiba test obloge se mogu svrstati u sledeće grupe:

SREDNJA VREDNOST NAGIBA UGLA	KLASA OTPORNOSTI NA KLIZANJE	PREPORUČUJE SE
≥ 12°	A	Kupatila
≥ 18°	B	Svlačionice, sanitarni čvor...
≥ 24°	C	Oblasti sa specijalnim zahtevima

Informacija o otpornosti podnih pločica prema klizanju navedena je pored slike podnih pločica, a odnosi se samo na one pločice koje zadovoljavaju klasu otpornosti na klizanje (na ulje ili vodu).

SRPS U.F2.011 Završni radovi u građevinarstvu – Izvođenje keramičarskih radova – Standard utvrđuje postupak za oblaganje zidova, podova keramičkim pločicama u unutrašnjosti objekta i spolja.

## PREPORUKE PRILIKOM UGRADNJE

- Pre ugradnje zidne pločice treba potopiti u vodu radi boljeg prijanjanja za podlogu.
- Shodno standardu SRPS U.F2.011 pločice obavezno postaviti sa fugom. Minimalna fuga za zidne i podne pločice je 3 mm.
- Podloga za postavljanje pločica treba da bude suva (ne sveže malterisana) i bez strukturnih pukotina.
- Prilikom kupovine pločica obavezno obratiti pažnju na oznaku kalibra i nijanse. U jednoj prostoriji postavljati isključivo pločice iste oznake kalibra i nijanse.
- Za digitalan način dekoracije pločica karakterističan je veći broj lica različitog izgleda. Pre postavljanja pločica preporučljivo je slaganje nekoliko m<sup>2</sup>.
- Ukoliko se pločice postavljaju „na smicanje“, preporučuje se smicanje na maksimalno 30% dužine.
- Reklamacije na ugrađene pločice se ne prihvataju, osim reklamacija na skrivene mane proizvoda a odnose se na trajnost pločica po standardu SRPS EN 14411.

### GRES PODNE PLOČICE SRPS EN 14411, Grupa B Ia, Prilog G

OSOBINA	METODA ISPITIVANJA	TOLERANCIJA % / MM SRPS EN 14411
Dužina i širina	SRPS ISO 10545-2	± 0,5 % / max. ± 2.0mm
Debljina	SRPS ISO 10545-2	± 5,0 % / max. ± 0.5mm
Odstupanje od pravog ugla	SRPS ISO 10545-2	± 0,5 % / max. ± 2.0mm
Ravnost stranica	SRPS ISO 10545-2	± 0,5 % / max. ± 1.5mm
Ravnost površine	SRPS ISO 10545-2	± 0,5 % / max. ± 2.0mm
Kvalitet površine	SRPS ISO 10545-2	Min. 95% bez vidljivog ošteć
Upijanje vode	SRPS ISO 10545-3	≤ 0,50 %
Čvrstoća pri lomu	SRPS ISO 10545-4	Za deb. ≥ 7.5 mm 1300 N Za deb. < 7.5 mm 700 N
Modul loma pri savijanju	SRPS ISO 10545-4	> 35 N/mm <sup>2</sup> > 32 N/mm <sup>2</sup>
Otpornost na habanje	SRPS ISO 10545-7	Beleži se klasa habanja i broj ciklusa
Koeficijent linearnog termičkog širenja	SRPS ISO 10545-8	Deklarisana vrednost
Otpornost prema temperaturnom šoku	SRPS ISO 10545-9	Zahteva se
Otpornost prema vlasavosti	SRPS ISO 10545-11	Zahteva se
Otpornost prema mrazu	SRPS ISO 10545-12	Zahteva se
Otpornost prema hemikalijama u domaćinstvu	SRPS ISO 10545-13	Najmanje B
Otpornost prema stvaranju mrlja	SRPS ISO 10545-14	Najmanje klasa 3

### ZIDNE PLOČICE SRPS EN 14411, Grupa B III, Prilog K

OSOBINA	METODA ISPITIVANJA	TOLERANCIJA % / MM SRPS EN 14411
Dužina i širina	SRPS ISO 10545-2	± 0,5 % / max. ± 2.0mm
Debljina	SRPS ISO 10545-2	± 10,0 % / max. ± 0.5mm
Odstupanje od pravog ugla	SRPS ISO 10545-2	± 0,5 % / max. ± 2.0mm
Ravnost stranica	SRPS ISO 10545-2	± 0,3 % / max. ± 1.5mm
Ravnost površine	SRPS ISO 10545-2	+ 0,5 % / - 0,3 % / max. (+ 2.0 / -1.5) mm
Kvalitet površine	SRPS ISO 10545-2	Min. 95% bez vidljivog oštećenja
Upijanje vode	SRPS ISO 10545-3	> 10,00 %
Čvrstoća pri lomu	SRPS ISO 10545-4	Za deb. ≥ 7.5 mm 600 N Za deb. < 7.5 mm 200 N
Modul loma pri savijanju	SRPS ISO 10545-4	> 12 N/mm <sup>2</sup> > 15 N/mm <sup>2</sup>
Koeficijent linearnog termičkog širenja	SRPS ISO 10545-8	Deklarisana vrednost
Otpornost prema temperaturnom šoku	SRPS ISO 10545-9	Zahteva se
Otpornost prema vlasavosti	SRPS ISO 10545-11	Zahteva se
Otpornost prema hemikalijama u domaćinstvu	SRPS ISO 10545-13	Najmanje B
Otpornost prema stvaranju mrlja	SRPS ISO 10545-14	Najmanja klasa 3



# IDENTIFIKACIJA PROIZVODA NA KUTIJAMA I NA PALETAMA

U procesu automatskog pakovanja keramičke pločice se pakuju u kartonsku ambalažu na koju industrijski štampač štampa osnovne podatke identifikacije proizvoda. Industrijski štampač štampa: datum, ime proizvoda, klasu, nijansu, kalibar proizvoda, identifikacioni kod klasera pločica, šifru i radni nalog proizvoda. Svaka paleta gotovog proizvoda sadrži bar-cod, pomoću koga se pločice identifikuju.

## SPECIFIKACIJA PAKOVANJA PLOČICA I UKRASNE GALANTERIJE

⚠ I TEHNIČKE KARAKTERISTIKE SU PODLOŽNE PROMENAMA

### PODNE PLOČICE GRUPA B Ia

PAKOVANJE PODNIH PLOČICA	FORMAT	DEBLJINA PLOČICA (MM)	M <sup>2</sup> /KOM.	KOMADA PLOČICA U KUTIJI	M <sup>2</sup> /KUT.	MASA KUTIJE (KG)	KOMADA KUT.NA PALETI	M <sup>2</sup> /PAL.	MASA PALETE (KG)
	33 x 33	7,3	0,1089	16	1,742	27,04	42	73,164	1165,00
	45 x 45	8,2	0,2025	8	1,620	29,65	44	71,280	1335,00
	30 x 60	8,8	0,1800	6	1,080	19,90	48	51,840	985,00

⚠ I TEHNIČKE KARAKTERISTIKE SU PODLOŽNE PROMENAMA

### REKTIFIKOVANE PLOČICE

PAKOVANJE PODNIH PLOČICA	FORMAT	DEBLJINA PLOČICA (MM)	M <sup>2</sup> /KOM.	KOMADA PLOČICA U KUTIJI	M <sup>2</sup> /KUT.	MASA KUTIJE (KG)	KOMADA KUT.NA PALETI	M <sup>2</sup> /PAL.	MASA PALETE (KG)
	29,5 x 59	8,8	0,17405	6	1,044	19,20	48	50,112	950,00
	59 x 59	9,0	0,3481	4	1,392	26,25	30	41,760	820,00

⚠ I TEHNIČKE KARAKTERISTIKE SU PODLOŽNE PROMENAMA

### ZIDNE PLOČICE GRUPE B III

PAKOVANJE ZIDNIH PLOČICA	FORMAT	DEBLJINA PLOČICA (MM)	M <sup>2</sup> /KOM.	KOMADA PLOČICA U KUTIJI	M <sup>2</sup> /KUT.	MASA KUTIJE (KG)	KOMADA KUT.NA PALETI	M <sup>2</sup> /PAL.	MASA PALETE (KG)
	25 x 50	8,8	0,1250	10	1,250	17,80	48	60,000	885,00
	30 x 60	9,0	0,1800	6	1,080	16,40	48	51,840	820,00
	25 x 75	9,2	0,1875	7	1,312	19,95	48	62,976	990,00
	25 x 50 D	8,8	0,1250	10	1,250	18,05	48	60,000	895,00
	25 x 75 D	9,2	0,1875	7	1,312	20,51	48	62,976	1010,00

# TECHNICAL CHARACTERISTICS

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„Keramika Kanjiža“ doo from Kanjiža produces dry pressed single fired floor and wall ceramic tiles (so-called monocuttura and monoporosa), as well as decorative accessories. The floor tiles are frost resistant, suitable for installation outside. Our ceramic tiles, in all their segments, meet the requirements of the harmonized European standard SRPS EN 14411.

## STANDARDS

Since December 2005, the standard SRPS EN 14411 applies, published with the permission of the European Committee for Standardization CEN. This standard is an identical international standard EN 14411 which is compulsorily applied in all member states of the European Union. The CE-mark is a symbol of product conformity, developed in accordance with the harmonized standard that meets the important requirements of the Construction Products Directive.

Ceramic tiles are classified into quality classes 1,2,3 tested by the following standards:

SRPS EN 14411 Ceramic tiles - Definition, classification, characteristics and designation - Defines terms and determines classifications, characteristics and requirements for designation of ceramic tiles with the best commercial quality (first class).

According to the standard, the ceramic tiles are classified into groups according to the manner of production and water absorption.

SRPS B.D1.330 Ceramic tiles - Classification, characteristics, evaluation and verification of performance constancy and labeling - Defines the classification, characteristics, evaluation of conformity and requirements for marking of ceramic tiles of class 2 and 3.

Classification according to the manner of production:

- Group A Extruded ceramic tiles
- Group B Dry pressed tiles

Classification according to water absorption:

- Group Ia Water absorption less than 0,5%
- Group Ib Water absorption from 0,5 to 3%
- Group IIa Water absorption from 3 to 6%
- Group IIb Water absorption from 6 to 10%
- Group III Water absorption more than 10%

Classification according to the nature of the visible surface:

- Glazed (GL)
- Unglazed (UGL)

The products of „Keramika Kanjiža“ are divided into the following groups:

- Floor tiles Group B Ia Attachment G
- Wall tiles Group B III Attachment K

Testing methods used for determination of the product characteristics are described in the standards SRPS ISO 10545.

SRPS ISO 10545-1 Sampling and basis for acceptance - This standard determines the number of samples that should be checked from the series and a maximal number of allowed mistakes.

SRPS ISO 10545-2 Determination of dimensions and quality of visible surface - This standard establishes a method for determining the measurement characteristics (length, width, thickness, flatness of sides, deviation for a right angle, and flatness of the surface) and quality of the surface of ceramic tiles.

SRPS ISO 10545-3 Determination of water absorption, apparent porosity, apparent relative density and bulk density - This testing establishes a method for determination of water absorption and apparent porosity of ceramic tiles.

SRPS ISO 10545-4 Determination of modulus of rupture and fracture strength - Establishes a testing method for determining the fracture strength. Obtained data indicate the load that the tile can bear.

SRPS ISO 10545-7 Determination of surface abrasion resistance of glazed tiles - PEI classification - The glaze resistance to surface abrasion is being determined. The procedure is performed by rotation of assets for abrasion and assessment of the abrasion effect, by visual comparison of tiles exposed to abrasion and tiles which were not exposed to abrasion. The product assessment is performed from 0 to 5, depending on the speed of rotation tools and occurrence of damages (5 is the highest class of resistance of glazed tiles according to the surface abrasion).

PEI - classification of glazed floor tiles in relation to their abrasion resistance

PEI 0 Glazed tiles in this class are not recommended for application on floors.

PEI 1 Appropriate for covering floor surfaces where people walk only in shoes with soft soles or barefoot, without dirt which scratches the floor surface (for example, residential bathrooms and bedrooms without direct access from outside).

PEI 2 Appropriate for covering floor surfaces where people walk in soft or plain shoes, usually with small quantities of dirt which scratches the surface (for example, rooms and living rooms in houses and apartments, with the exception of the kitchen, the doorway and crowded rooms).

PEI 3 Appropriate for covering floor surfaces where people often walk in plain shoes, with little dirt which scratches the floor (for example, residential kitchens, halls, corridors, balconies, terraces). This does not refer to exceptional footwear, for example - studded boots.

PEI 4 Appropriate for floors with normal movement of people with slightly more dirt which scratches the floor (for example entrances, public kitchens, hotels, exhibition and retail space).

PEI 5 Appropriate for floors with constant great natural load and presence of dirt which scratches (for example, public surfaces such as commercial centers, airport interior rooms, hotel lobbies and application in industry).

This classification is valid for application in usual conditions.

The information about abrasive resistance of floor tiles is indicated next to the figures of floor tiles.

SRPS ISO 10545-8 Determination of linear thermal expansion – The coefficient of linear thermal expansion is being determined for a range of room temperature up to 100 °C. The value indicates the extent to which the placed tile will expand due to temperature changes. This information should be taken into consideration during the determination of fugue thickness between the tiles.

SRPS ISO 10545-9 Determination of thermal shock resistance – The tiles are exposed to abrupt temperature changes and afterwards the occurrence of damages is being checked.

SRPS ISO 10545-10 Determination of moisture expansion – This standard establishes a method for determination of moisture expansion of ceramic tiles. The data help to determine the dimension between tiles.

SRPS ISO 10545-11 Determination of crazing resistance of glazed surfaces – Occurrence of cracks on the surface of glazed tiles is performed after treating them with compressed steam at a pressure of 500 kPa and temperature of 159 °C, for two hours in an autoclave.

SRPS ISO 10545-12 Determination of frost resistance – According to this method, the tiles are exposed to freezing and thawing within a temperature range from -5 °C to +5 °C, for at least 100 cycles. This testing simulates the product behavior in external climate conditions.

SRPS ISO 10545-13 Determination of resistance to chemicals – This testing determines the tiles' resistance to the effect of household chemicals, salts in the water of a swimming-pool, acid, base and resistance to the effect of a 'pencil with HB hardness'. Depending on the type of chemicals and resistance of tiles, they are divided in the following classes:

Household chemicals and salts in the water of a swimming-pool

A with no visible effects

B small changes in the appearance or if the tiles did not pass the testing with a 'pencil with HB hardness'

C significant changes

Acids and bases (low concentrations)

LA with no visible effects

LB small changes in the appearance or if the tiles did not pass the testing with a 'pencil with HB hardness'

LC significant changes

Acids and bases (high concentrations)

HA with no visible effects

HB small changes in the appearance or if the tiles did not pass the testing with a 'pencil with HB hardness'

HC significant changes

SRPS ISO 10545-14 Determination of stain resistance – The visible surface of the tiles is exposed to contact with assets that create stains, and classification is performed after removal. The classification is performed from 5 to 1 depending on the ease of removing the stains, whereupon the stains are most easily removed at class 5.

DIN 51130:2004-06 Determination of anti-slip properties for floor tiles

For bigger floor surfaces, industrial and commercial purposes, it is desirable that the friction coefficient is higher than the one used in houses.

The German standard DIN 51130:2010-10 defines the procedure and serves for testing and classification of anti-slip properties of floor coverings which have been stipulated for use in working rooms and areas where danger of slipping exists. The accepted angle is determined on a floor coating with applied lubricated asset (oil) and the person who performs control with control shoes moves forward-backward on the floor coating which is being controlled and which starts to tilt from its horizontal state and the inclination increases up to an accepted angle, i.e. an angle when the controller reaches the boundary of safe walking. The accepted angle is used for assessment of the degree of slip resistance.

ACCEPTED ANGLE:	SLIP RESISTANCE CLASS:	RECOMMENDED IN:
6° do 10°	R 9	House entrances...
10° do 19°	R 10	Shops,workshops...
19° do 27°	R 11	Kitchens, laundry rooms...
27° do 35°	R 12	Great kitchens, dairies...
Over 35°	R 13	Areas with special requirements

DIN 51097:02.80 Determination of characteristics for prevention of slips

The characteristics of floor coatings according to this standard are assessed in conditions of moisture, on the treads of floor coverings which are used in bathrooms, changing rooms, toilets and similar rooms.

During the execution of the procedure, a liquid is continuously and uniformly applied for testing the floor covering which will start to tilt from its horizontal position and the inclination will grow up to an accepted angle, i.e. an angle when the controller reaches the boundary of safe walking. The person who performs control moves forward-backward on the floor coating which is being controlled, barefoot. Depending on the achieved inclination angle, the tested coverings could be classified in the following groups:

MEAN VALUE OF ANGLE:	SLIP RESISTANCE CLASS:	RECOMMENDED IN:
≥ 12°	A	Bathrooms...
≥ 18°	B	Changing rooms, toilet...
≥ 24°	C	Areas with special requirements

The information about slip resistance of floor tiles is indicated next to the figures of floor tiles. Refers only to tiles that meet the slip resistance class ( oil or water).

SRPS U.F2.011 Finishing works in structural engineering – Execution of ceramic works – The standard determines a procedure for wall and floor cladding with ceramic tiles inside of premises, as well as outside.



## RECOMMENDATIONS DURING INSTALLATION

- Before installing wall tiles, they need to be immersed in water for better adhesion with the substrate.
- According to the standard SRPS U.F2.011, the tiles must compulsorily be placed with a fugue. The minimal fugue for wall and floor tiles is 3 mm.
- The substrate for placing the tiles should be dry (not freshly plastered) and without structural cracks.
- When buying the tiles, you must compulsorily pay attention to the designation of the caliber and the shade. Tiles with the same designations of caliber and shade should be put exceptionally in the same room.
- The digital mode of tile decoration is characterized by a larger number of faces with different appearance. Before final laying, it is recommendable to place few square meters of tiles to get a visual impression.
- When laying tiles with offset, the recommendation is that maximum offset is 30% of the length.
- After installation of tiles, claim is not possible, except for complaints about the hidden defects of the products, which are related to the durability of the tiles by standard SRPS EN 14411.
- Industrial printer is printing: date, name of the product, class, shade, caliber of the product, id code of the classer for the tile, code and work sheet of product

### FLOOR TILES – SRPS EN 14411, Group B Ia, Annex G

TECHNICAL CHARACTERISTICS	NORMS	TOLERANCE % / MM SRPS EN 14411
Length and width	SRPS ISO 10545-2	± 0,5 % / max. ± 2.0mm
Thickness	SRPS ISO 10545-2	± 5,0 % / max. ± 0.5mm
Rectangularity	SRPS ISO 10545-2	± 0,5 % / max. ± 2.0mm
Straightness of sides	SRPS ISO 10545-2	± 0,5 % / max. ± 1.5mm
Surface flatness	SRPS ISO 10545-2	± 0,5 % / max. ± 2.0mm
Appearance	SRPS ISO 10545-2	Min. 95% without visible defects
Water absorption	SRPS ISO 10545-3	≤ 0,50 %
Breaking strength	SRPS ISO 10545-4	Thick. ≥ 7.5 mm 1300 N Thick. < 7.5 mm 700 N
Modulus of rupture (bending strength)	SRPS ISO 10545-4	> 35 N/mm <sup>2</sup> > 32 N/mm <sup>2</sup>
Wear resistance	SRPS ISO 10545-7	The abrasion class and number of cycles are recorded.
Coefficient of linear thermal expansion	SRPS ISO 10545-8	Declared value
Resistance to thermal shock	SRPS ISO 10545-9	Declared value
Crazing resistance	SRPS ISO 10545-11	Declared value
Frost resistance	SRPS ISO 10545-12	Declared value
Resistance to chemical products for domestic use	SRPS ISO 10545-13	Minimum B
Resistance to stains	SRPS ISO 10545-14	Minimum Class 3

### WALL TILES – SRPS EN 14411, Group B III, Annex K

TECHNICAL CHARACTERISTICS	NORMS	TOLERANCE % / MM SRPS EN 14411
Length and width	SRPS ISO 10545-2	± 0,5 % / max. ± 2.0mm
Thickness	SRPS ISO 10545-2	± 10,0 % / max. ± 0.5mm
Rectangularity	SRPS ISO 10545-2	± 0,5 % / max. ± 2.0mm
Straightness of sides	SRPS ISO 10545-2	± 0,3 % / max. ± 1.5mm
Surface flatness	SRPS ISO 10545-2	+ 0,5 % / - 0,3 % / max. (+ 2.0 / -1.5) mm
Appearance	SRPS ISO 10545-2	Min. 95% without visible defects
Water absorption	SRPS ISO 10545-3	> 10,00 %
Breaking strength	SRPS ISO 10545-4	Thick. ≥ 7.5 mm 600 N Thick. < 7.5 mm 200 N
Modulus of rupture (bending strength)	SRPS ISO 10545-4	> 12 N/mm <sup>2</sup> > 15 N/mm <sup>2</sup>
Coefficient of linear thermal expansion	SRPS ISO 10545-8	Declared value
Resistance to thermal shock	SRPS ISO 10545-9	Declared value
Crazing resistance	SRPS ISO 10545-11	Declared value
Resistance to chemical products for domestic use	SRPS ISO 10545-13	Minimum B
Resistance to stains	SRPS ISO 10545-14	Minimum Class 3

## IDENTIFICATION OF PRODUCTS ON BOXES AND ON PALLETS

In the process of automatic packaging, the ceramic tiles are packed in a cardboard boxes in which the industrial printer prints the basic data for identifying the product.

The first printed line contains: date, identification number of the classifier and product name. The second printed line contains: number of work order, product code, product class, product shade and caliber, that is, dimension of the floor tiles:

Each palette of finished product contains a barcode, which helps to identify the tiles.

## CONDITIONS OF TILE AND DECOR PACKAGINGS

 | THE TECHNICAL CHARACTERISTICS OF THE PACKAGING ARE SUBJECT TO CHANGE

### FLOOR TILES GROUP B Ia

PACKAGING OF FLOOR TILES	FORMAT	THICKNESS OF TILE (MM)	M <sup>2</sup> / PC	TILE/ BOX	M <sup>2</sup> / BOX	WEIGHT OF BOX (KG)	BOX/ PALLET	M <sup>2</sup> / PALLET	WEIGHT OF PALL. (KG)
	33 x 33	7,3	0,1089	16	1,742	27,04	42	73,164	1165,00
	45 x 45	8,2	0,2025	8	1,620	29,65	44	71,280	1335,00
	30 x 60	8,8	0,1800	6	1,080	19,90	48	51,840	985,00

 | THE TECHNICAL CHARACTERISTICS OF THE PACKAGING ARE SUBJECT TO CHANGE

### RECTIFIED TILES

PACKAGING OF WALL TILES	FORMAT	THICKNESS OF TILE (MM)	M <sup>2</sup> / PC	TILE/ BOX	M <sup>2</sup> / BOX	WEIGHT OF BOX (KG)	BOX/ PALLET	M <sup>2</sup> / PALLET	WEIGHT OF PALL. (KG)
	29,5 x 59	8,8	0,17405	6	1,044	19,20	48	50,112	950,00
	59 x 59	9,0	0,3481	4	1,392	26,25	30	41,760	820,00














 | THE TECHNICAL CHARACTERISTICS OF THE PACKAGING ARE SUBJECT TO CHANGE

### WALL TILES GROUP B III

PACKAGING OF WALL TILES	FORMAT	THICKNESS OF TILE (MM)	M <sup>2</sup> / PC	TILE/ BOX	M <sup>2</sup> / BOX	WEIGHT OF BOX (KG)	BOX/ PALLET	M <sup>2</sup> / PALLET	WEIGHT OF PALL. (KG)
	25 x 50	8,8	0,1250	10	1,250	17,80	48	60,000	885,00
	30 x 60	9,0	0,1800	6	1,080	16,40	48	51,840	820,00
	25 x 75	9,2	0,1875	7	1,312	19,95	48	62,976	990,00
	25 x 50 D	8,8	0,1250	10	1,250	17,80	48	60,000	885,00
	25 x 75 D	9,2	0,1875	7	1,312	19,95	48	62,976	990,00



## OBJAŠNJENJE SIMBOLA / SYMBOL EXPLANATION

- |   |  |  |
|---|--|--|
|  Zidne pločice<br>Wall tiles       |  Otpornost na niske temperature<br>Low temperature resistance               |  Otpornost na habanje<br>Resistance to abrasion |
|  Podne pločice<br>Floor tiles      |  Otpornost na hemikalije u domaćinstvu<br>Resistance to household chemicals |  Otpornost na mrlje<br>Stain resistance         |
|  Mat površina<br>Matte surface     |  Protivkliznost površine (voda)<br>Anti-slip (water)                        |  Broj lica<br>Number of faces                   |
|  Sjajna površina<br>Glossy surface |  Protivkliznost površine (ulje)<br>Anti-slip (oil)                          |  |
|  Spoljna<br>Outdoor                |  Unutrašnja<br>Indoor   |  |
|  Novo<br>New                     |  |  |





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