100% Biostop

indugres

Food & Floor Solutions

ROSA GRES

indugres

100% Biostop

Ceramic tiles that prevent and inhibit the growth of pathogentic micro-organisms. The only total self- protection solution for industrial kitchens and workshops.

COVERING

+

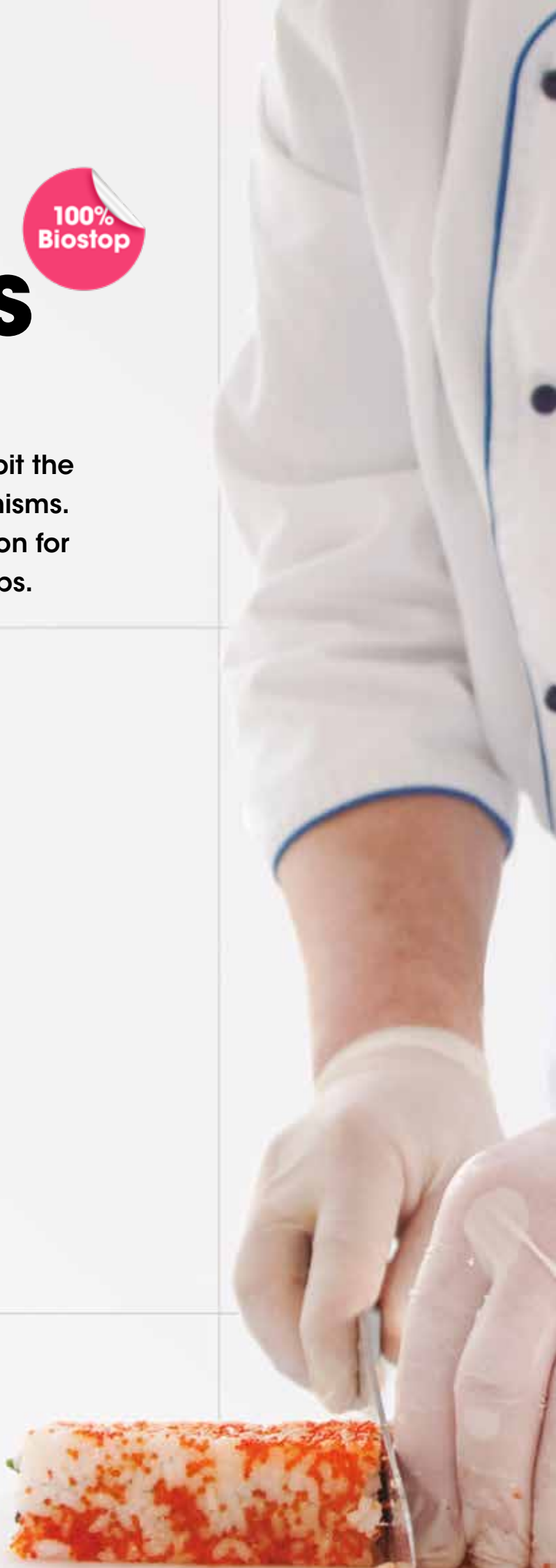
PLACEMENT JOINT

+

FINISHING PIECES

+

PAVING



Why choose the new Indugres 100% Biostop?

Indugres Solution, Maximum resistance, more hygiene, more safety

3 levels of anti-slip
Increases the safety and prevents slips and falls.

High compaction and density
Extreme resistance to wear, abrasion and impacts. Does not deteriorate.

Zero surface absorption
High resistance to stains. More hygiene with less effort.

Wide range of finishing pieces
It's possible to cover all of the corners to create clean accessible spaces.

Exact dimensions
Allows the placement of pieces with a 2mm joint that avoids rattling.

100% Biostop Finish: Ceramic tile that eliminates bacteria

IT WORKS 24/7: INSIDE AND OUTSIDE
Biostop does not need light to activate its self-protection properties: it works with artificial light, natural light and even in complete darkness.

COMPLETE AND PERMANENT PROTECTION
Biostop's protection is permanent and 100% safe. It doesn't require any subsequent treatment or maintenance to have an effect.

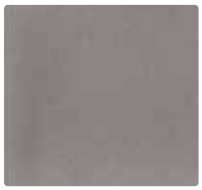
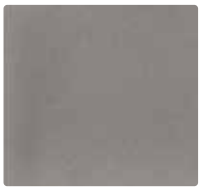
PROVED EFFECTIVE AGAINST BACTERIA
Biostop completely stops the spread of bacteria such as Staphylococcus aureus, Escherichia coli, Proteus vulgaris, Salmonella Typhi, Enterococcus faecalis, Streptococcus pyogenes, Bacillus and Listeria monocytogenes.

HIGH-QUALITY INDUSTRIAL PORCELAIN STONEWARE
The manufacturing process behind Biostop ensures it retains all the properties usually associated with Rosa Gres industrial porcelain stoneware.

IT IS NOT HARMFUL TO HEALTH
Biostop is non-toxic. It is completely harmless to human health.

IT REDUCES SMELLS
Biostop prevents bad smells that can be caused by micro-organism deposits on the surface.

FLOOR TILES

FINISH R9	FINISH R10		FINISH R12	
DIN 51130 R9 / UNE 41901 CLASE 1	DIN 51130 R10 / UNE 41901 CLASE 2	DIN 51130 R10 / UNE 41901 CLASE 3	DIN 51130 R12 / UNE 41901 CLASE 3	DIN 51130 R12 / UNE 41901 CLASE 3
				
Indubeige R9	**Indubeige R10**	**Indu Grey R10**	**Indubeige R12**	**Indu Grey R12**
Ref.122 G3	Ref.240 G3	Ref.240 G3	Ref.240 G3	Ref.240 G3
11,9 x 24,4 x 1	24,4 x 24,4 x 1	24,4 x 24,4 x 1	24,4 x 24,4 x 1	24,4 x 24,4 x 1
€/PIECE	**€/PIECE**	**€/PIECE**	**€/PIECE**	**€/PIECE**
U-045	**U-080**	**U-125**	**U-090**	**U-130**

WALL TILES

Bio-White
Ref.244 G1
24,4 x 49,4 x 0,8
Liso
€/PIECE
U-195

Number of pieces for m² depends on joint width		
Format	**2 mm**	**6 mm**
11,9 x 24,4 cm	33,5 Pieces	32 Pieces
24,4 x 24,4 cm	16,50 Pieces	16 Pieces
24,4 x 49,4 cm	8,20 Pieces	8 Pieces

Use of joint depends on the format and thickness of the pieces		
Format	**2 mm**	**6 mm**
11,9 x 24,4 x 1 cm	0,40 kg/m²	1,20 kg/m²
24,4 x 24,4 x 1 cm	0,26 kg/m²	0,79 kg/m²
24,4 x 49,4 x 0,8 cm	0,16 kg/m²	0,47 kg/m²

BULLNOSE

Indubeige R9 | Indu Grey R10

140	037	038
24,4 x 12 x 4	12 x 4 x 4	12 x 7 x 7
€/PIECE	€/PIECE	
E-063	E-091	

FLAT STEP TILE

Indubeige R10 - R12 | Indu Grey R10 - R12

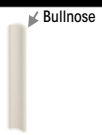
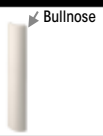
RL1	RL2
11,9 x 24,4	24,4 x 11,9
€/PIECE	
E-058	

SEMI-CIRCULAR PIECE

Indubeige R9 | Indu Grey R10 | Bio-White

112	138	114	115	116	117
24,4 x 4 x 4	24,4 x 4 x 4	4 x 4	4 x 4	4 x 4	4 x 4
€/PIECE	€/PIECE	€/PIECE		€/PIECE	
E-049	E-051	E-071		E-083	

Indubeige R9 | Indu Grey R10

113	137	013
		
24,4 x 4 x 4	24,4 x 4 x 4	24,4 x 11,9
€/PIECE		€/PIECE
E-085		E-056

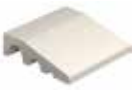
CHANNELS

Indubeige R10 | Indu Grey R10

204	205	206	207
24,4 x 24,4 x 2,4	24,4 x 24,4 x 2,4	24,4 x 24,4 x 2,4	24,4 x 24,4 x 2,4
€/PIECE	€/PIECE	€/PIECE	
E-079	E-157	E-140	

SHOWER TRAY

Indubeige R10 | Indu Grey R10

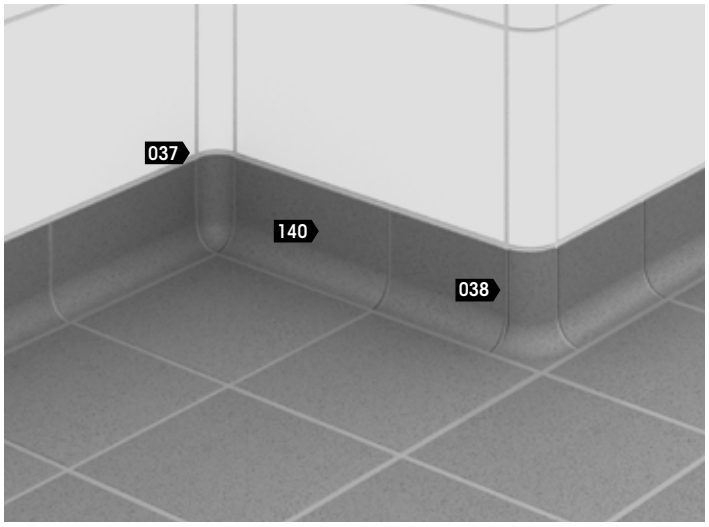
130	136	131
		
11,9 x 11,9 x 3	11,9 x 11,9 x 3	11,9 x 11,9 x 3
€/PIECE	€/PIECE	
E-079	E-101	

BLUNT WALL TILES 49,4

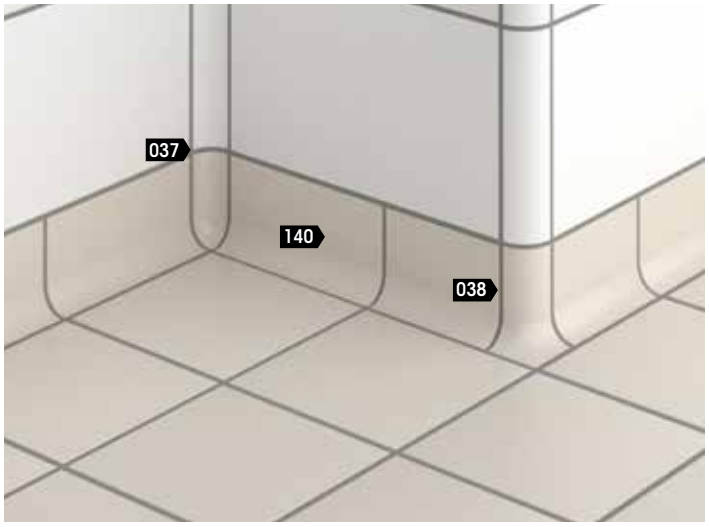
Bio-White

413
24,4 x 49,4 x 0,9
€/PIECE
E-071

Bio White + Indu Grey



Bio White + Indu Grey



Bio White + Indubeige

140
24,4 x 12 x 4

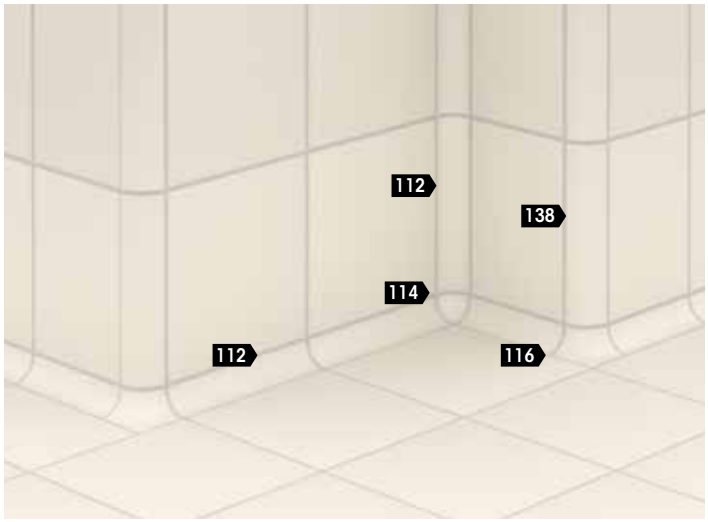
037
12 x 4 x 4

038
12 x 4 x 4

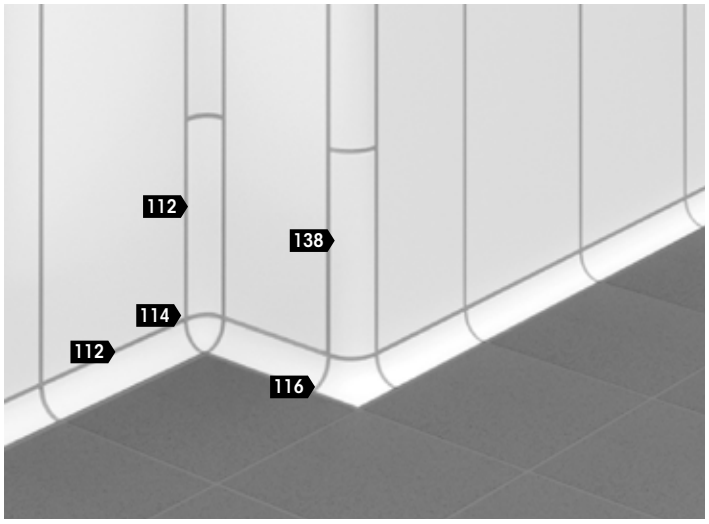
Indubeige R9

Indu Grey R10

Bio White + Indu Grey



Indubeige



Bio White + Indu Grey

112
24,4 x 4 x 4

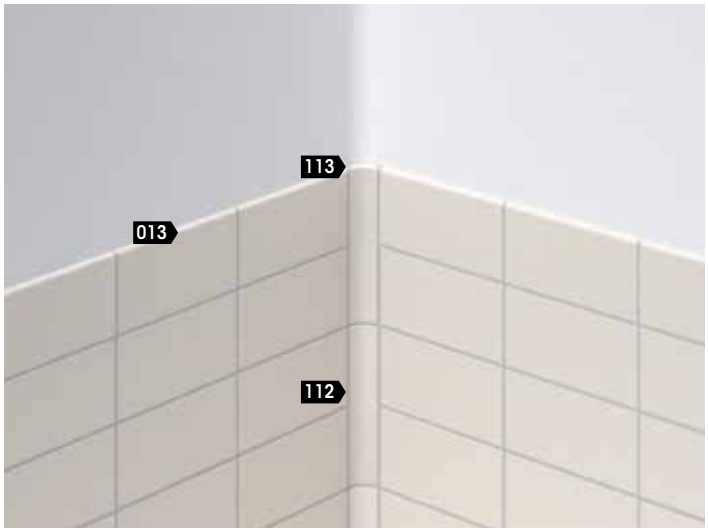
114
4 x 4

116
4 x 4

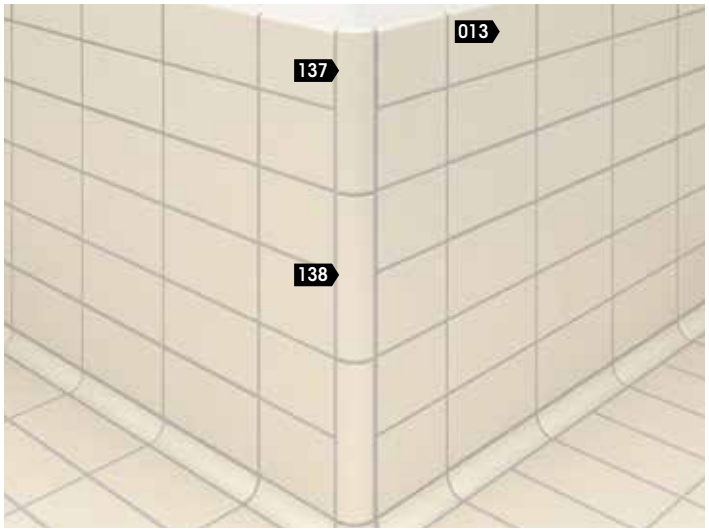
138
24,4 x 4 x 4

Indubeige R9 | Indu Grey R10 | Bio-White

Indubeige



Indubeige

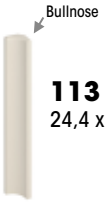


Indubeige

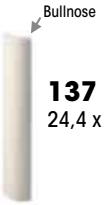
▸ SEMI - CIRCULAR PIECES

112
24,4 x 4 x 4

138
24,4 x 4 x 4



113
24,4 x 4 x 4



137
24,4 x 4 x 4

Indubeige R9 | Indu Grey R10 | Bio-White

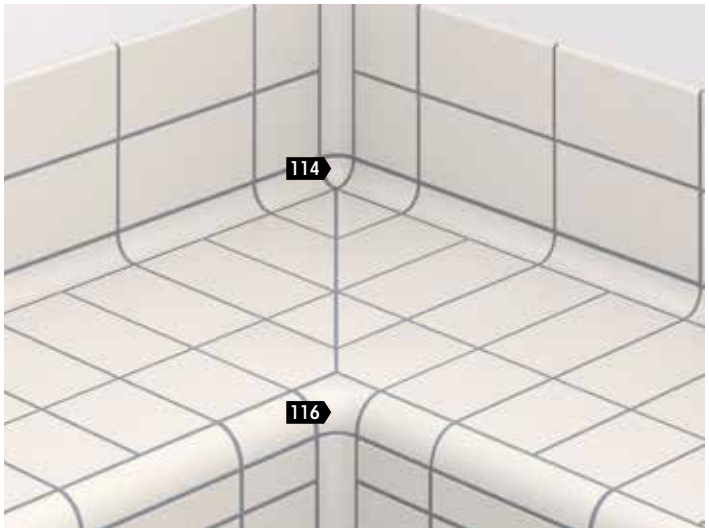
Indubeige R9 | Indu Grey R10

▸ BLUNT PIECE 24,4

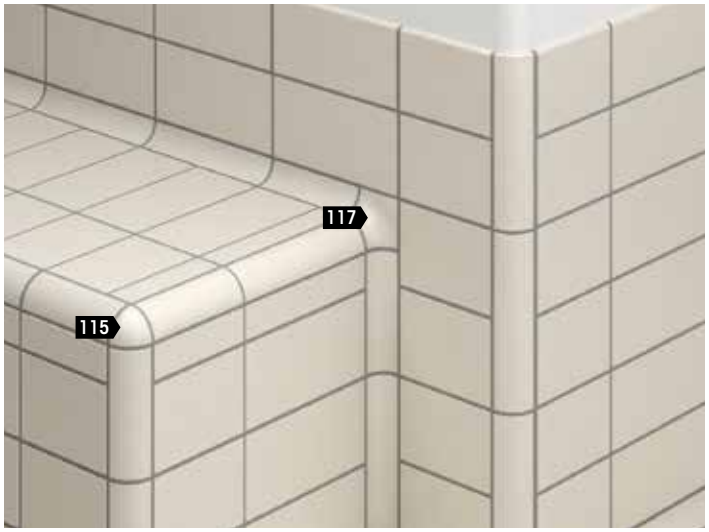
013
24,4 x 11,9

Indubeige R9 | Indu Grey R10

Bio White



Indubeige



Indubeige

114
4 x 4

115
4 x 4

116
4 x 4

117
4 x 4

Indubeige R9 | Indu Grey R10 | Bio-White

COVERING | BLUNT PIECE SOLUTION

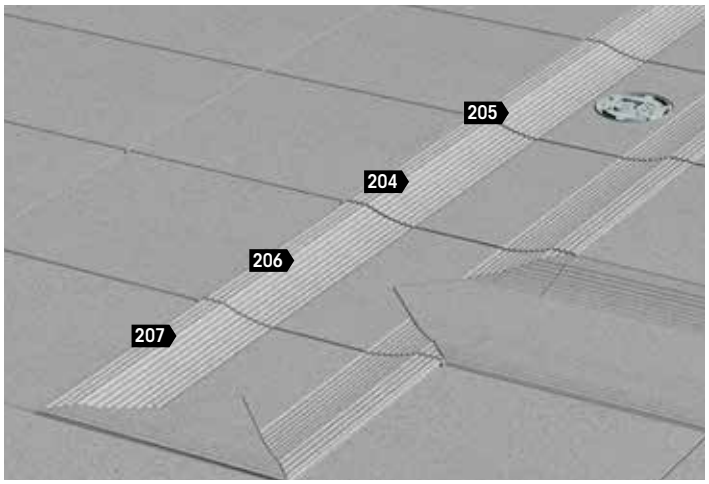
413
24,4 x 49,4 x 0,9

Bio-White

Bio - White

DRAINS AND SEWERS | CERAMIC GUTTER SOLUTION

Indubeige



Indu Grey

204
24,4 x 24,4 x 2,4

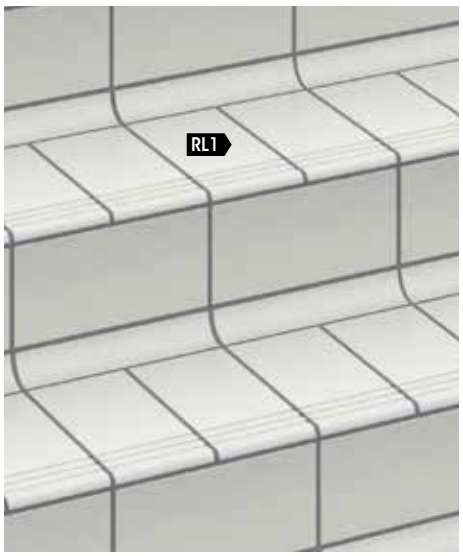
205
24,4 x 24,4 x 2,4

206
24,4 x 24,4 x 2,4

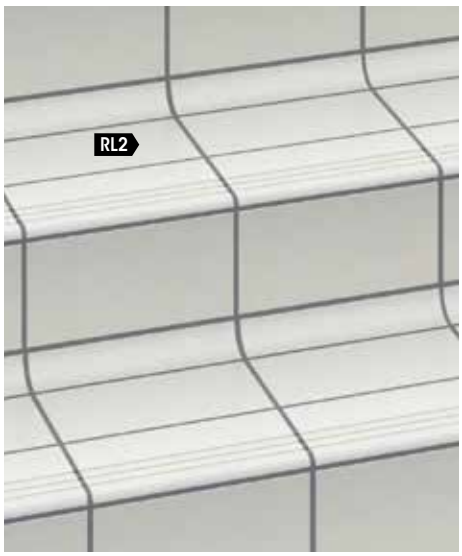
207
24,4 x 24,4 x 2,4

Indubeige R10

Indu Grey R10



Indubeige

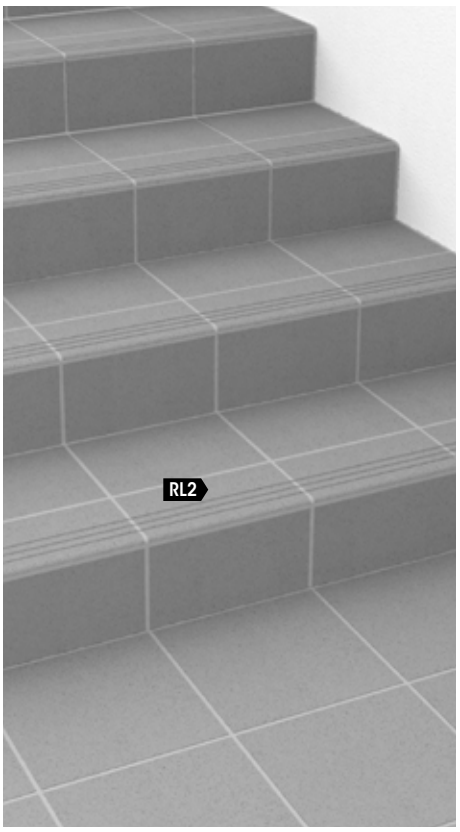


Indubeige

RL1
11,9 x 24,4

RL2
11,9 x 24,4

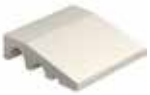
Indu Grey R10 | Indu Grey R12 | Indubeige R10 | Indubeige R12



Indu Grey

WATER COLLECTION AREAS | SHOWER TRAYS

Bio White + Indubeige

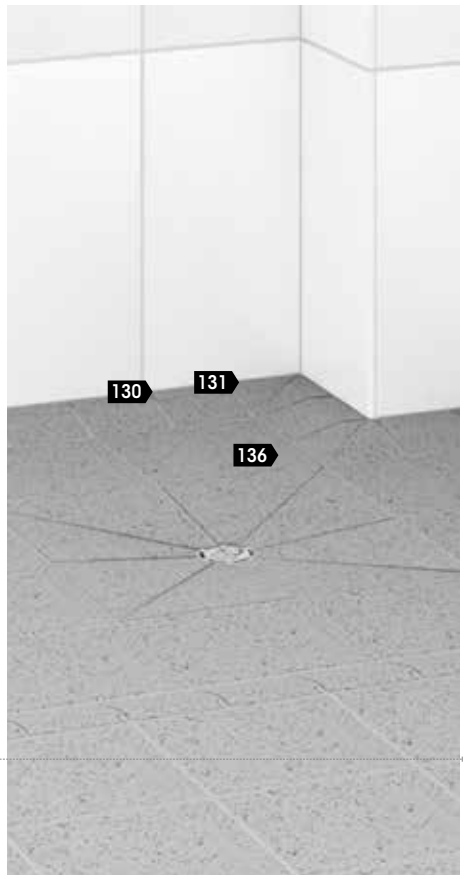


130
11,9 x 11,9 x 3

136
11,9 x 11,9 x 3

131
11,9 x 11,9 x 3

Indubeige R10 | Indu Grey R10



Bio White + Indu Grey

SCREED BASE

On floors 4 cm thick, a paving attached to the supporting surface is required. Therefore, apply a fixing grout consisting of a mix with 1 part **PRIMFIX** + 1 part pure cement.

PRODUCT	CONSUMPTION	COLOUR	UNIT	PRICE CODE
PRIMFIX	0,2 lt / m²	BLANCO	5 kg	**F-145**
			25 kg	**F-260**

Pre-mixed mortar with normal setting rate and quick drying for FLOORS with high mechanical strength. Mix 1 sack of **PAVIFORT** with 3 l of clean water in a cement mixer. Class CT-C24-F6, in accordance with EN 13813.

PRODUCT	CONSUMPTION	COLOUR	UNIT	PRICE CODE
PAVIFORT	18 kg / m² x cm	GRIS	25 kg	**F-060**

STICKING TILES ONTO RENDER

Use flexible, high resistance cement glue, type: **FIX-PORCELANICO FLEX**: class C2TE cement mortar in accordance with EN 12004.

PRODUCT	CONSUMPTION	COLOUR	UNIT	PRICE CODE
FIX-PORCELÁNICO FLEX	5 kg / m²	GRIS	25 kg	**F-062**

SEALING OF THE DILATATION JOINTS

If the depth exceeds 10 mm, we recommend filling the remaining gap with **SELLALASTIC FOAM**. Choose a FOAM with 5mm more diameter than the width of the joint to fill.

PRODUCT	CONSUMPTION	COLOUR	UNIT	PRICE CODE
SELLALASTIC FOAM 15 mm	1 ml / ml	GRIS	VENTA por ml	**F-005**

Consult the Technical Department for other diameters.

To seal expansion joints on paving, highly elastic, chemically resistant filler must be used. We recommend using **SELLAFIX**, classified under PW-INT, in accordance with EN 15651-4.

PRODUCT	CONSUMPTION	COLOUR	UNIT	PRICE CODE
SELLAFIX	Consult the Technical Dep.	GRIS	3 kg	**F-212**
			12 kg	**F-293**

ACID - RESISTANT GROUTING

CERPOXI, extra-fluid, anti-acid epoxy grout, type R2T and RG in accordance with EN 12004 and EN 13888.

PRODUCT	CONSUMPTION	COLOUR	UNIT	PRICE CODE
CERPOXI	Consult the Technical Dep.	BLANCO TRANSLÚCIDO	7 kg	**F-250**
			21 kg	**F-300**
		24 COLOURS	7 kg	**F-225**
			21 kg	**F-280**

BIO-CERPOXI, extra-fluid, anti-acid epoxy grout that also inhibits bacteria growth; type RG in accordance with EN 13888. Essential for placement of Biostop.

PRODUCT	CONSUMPTION	COLOUR	UNIT	PRICE CODE
BIO - CERPOXI	Consult the Technical Dep.	BLANCO	21 kg	**N-174**
		GRIS		**N-135**

MORTAR RENDER OF THE WALLS

Pre-mixed mortar with normal setting rate and quick drying for PLASTER with high mechanical strength. Mix each sack of **FIX-REVOCO** with 2.5-3 l of clean water in a cement mixer. Class GP-CS IV -W2, in accordance with EN 998-1.

PRODUCT	CONSUMPTION	COLOUR	UNIT	PRICE CODE
FIX-REVOCO	18 kg / m² x cm	GRIS	25 kg	**F-070**

STICKING TILES ONTO RENDER

Use flexible, high resistance cement glue, type: **FIX-PORCELANICO FLEX**: class C2TE cement mortar in accordance with EN 12004.

PRODUCT	CONSUMPTION	COLOUR	UNIT	PRICE CODE
FIX-PORCELÁNICO FLEX	5,0 kg / m²	GRIS	25 kg	**F-062**

SEALING OF THE DILATATION JOINTS

If the depth exceeds 10 mm, we recommend filling the remaining gap with **SELLALASTIC FOAM.** Choose a FOAM with 5mm more diameter than the width of the joint to fill.

PRODUCT	CONSUMPTION	COLOUR	UNIT	PRICE CODE
SELLALASTIC FOAM 15 mm	1 ml / ml	GRIS	VENTA por ml	**F-005**

Consult the Technical Department for other diameters.

To seal expansion joints, highly elastic filler must be used. We recommend using **SELLALASTIC**, classified under PW-EXT INT-CC, in accordance with EN 15651-4.

PRODUCT	CONSUMPTION	COLOUR	UNIT	PRICE CODE
SELLALASTIC	Consult the Technical Dep.	4 COLOURS	310 ml	**F-045**

WATER-REPELLENT AND FUNGICIDAL GROUT

EUROCOLOR FLEX, colored, cement-based, water-repellent, fungicidal grout for joints from 0 to 16mm, type CG2WA according to EN 13888.

PRODUCT	CONSUMPTION	COLOUR	UNIT	PRICE CODE
EUROCOLOR FLEX	Consult the Technical Dep.	GRIS CEMENTO	25 kg	**F-155**
		BLANCO	25 kg	**F-175**

IDEAL COLOR is a HIGH-TECH grout available in 34 colors, for joints from 0 to 6mm, water-repellent, fungicidal, fast-drying, crack-free, wear-resistant, efflorescence-free and type CG2WA according to EN 13888.

PRODUCT	CONSUMPTION	COLOUR	UNIT	PRICE CODE
IDEAL COLOR	Consult the Technical Dep.	BLANCO	5 kg	**F-111**
		GRIS CEMENTO	25 kg	**F-213**

Indústria Avícola Sureña SL, Córdoba, Spain
Indubeige

FLOOR TILES & WALL TILES

TESTING STANDARD		REGULATION EN 14411 ISO 13006	Indugres 100% Biostop FLOOR TILES	Indugres 100% Biostop WALL TILES
ISO 10545-2	Dimensions and surface quality	Required	Guaranteed	Guaranteed
ISO 10545-3	Water absorption	E ≤ 0,5 %	E ≤ 0,5 %	E ≤ 0,5 %
ISO 10545-4	Breaking strengh	≥ 1300 N	Grosor 10 mm > 2.500 N Grosor 14 mm > 3.500 N	
	Modulus of rupture	≥ 35 N/mm²	≥ 45 N/mm²	≥ 35 N/mm²
ISO 10545-5	Impact resistance	-	E ≥ 0,80	-
ISO 10545-6	Resistance to deep abrasion	≤ 175 mm³	≤ 175 mm³	-
ISO 10545-9	Thermal shock resistance	-	Guaranteed	Guaranteed
ISO 10545-12	Frost resistance	Required	Guaranteed	Guaranteed
ISO 10545-13	Chemical resistance [1]	Min. Class B	A / LA / HA	A / LA / HA
ISO 10545-14	Stain resistance	Min. Class 3	4	4
ISO 22196	Antibacterial activity and efficacy	Guaranteed		

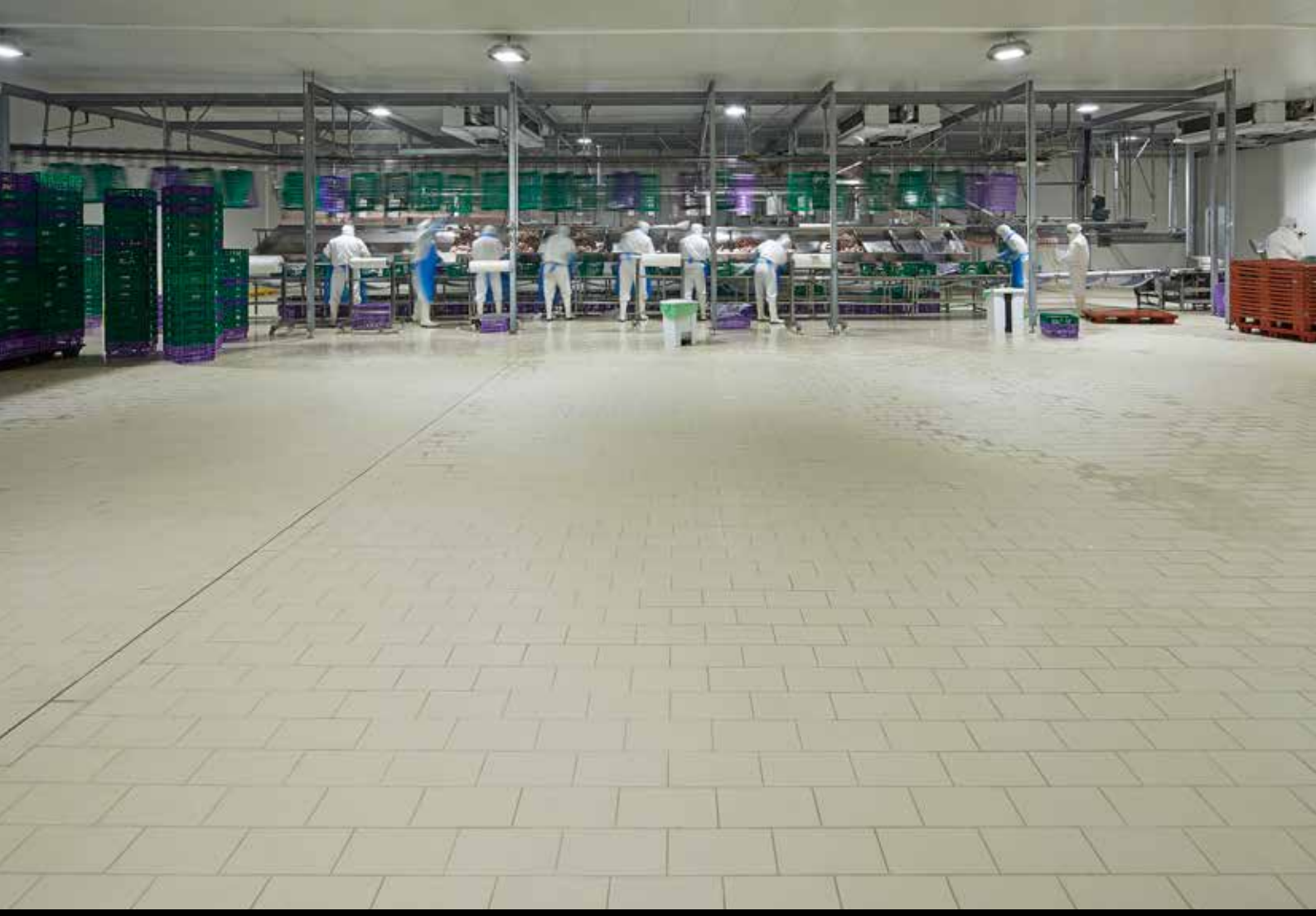
SAFETY: NON-SLIP COEFFICIENTS		Indugres 100% Biostop R9	R10	R12
DIN 51130 **XP P-05-010**	Norm for shoe traffic areas	R9 PC6	R10 PC10	R12 PC27
DIN 51097 **XP P-05-010**	Norm for barefoot traffic areas	-	Class B PN18	Class C PN24
UNE 41901	Slip Resistance Rd Pendulum Test	Class 1 15 < Rd ≤ 35	Class 3 (Indu Grey) Rd > 45 Class 2 (Indubeige) 35 < Rd > 45	Class 3 Rd > 45

SEALING GROUT

REGULATION UNE_EN-13888 Classified as CG2 W A		Bio-Cerpoxi
Antibacterial activity and efficacy	**ISO 22196**	Guaranteed
	ASTM E2149	Guaranteed
Resistance to abrasion		< 250 mm³
Resistance to bending and compression		30-45 N/mm²
Water absorption after 30 minutes		< 0,1 gr.
Water absorption after 240 minutes		< 0,1 gr.
Resistance to temperature		-
Permitted temperature range		-20° C / +50° C

(1) Except hydrofluoric acid and its components. Field tiles: **grupo B1a** - Trim pieces: **grupo A1a**

Rosa Gres declines all responsibility concerning typographical errors.



Indústria Avícola Sureña SL, Córdoba, Spain, Indubeige

February 2023

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