

Range Name:

Rebels

Ref: P+E-REB-TDS-01

Technical specification of dry-pressed porcelain tiles with water absorption $Bla \leq 0.5\%$ for interior and exterior floors and walls.

	Testing To Standard	Average Typical Values	Result
Physical Properties			
Group			Bla
Values According To			UNE-EN-ISO 10545
Material			Porcelain
Colours		Popcorn, Taupe, Topo, Grey, Sage, Moss, Mustard, Terracotta, Nero	
Finish			Matt
Size Formats (mm)	UNE-EN-ISO 10545-2:1998		50 x 150
Thickness (mm)	UNE-EN-ISO 10545-2:1998		8.5
Rectified			No
Shade Variation			V3
Technical Properties			
Water Absorption	UNE-EN-ISO 10545-3:1997	Eb $\leq 0.5\%$	$\leq 0.5\%$
Modulus of Rupture	UNE-EN-ISO 10545-4: 2012	Min 32 N/mm ²	≤ 32 N/mm ²
Abrasive Resistance	UNE-EN-ISO 10545-7: 1999	Declared Values	PEI 4: Popcorn PEI 3: Grey, Topo, Taupe, Sage PE2: Nero, Moss, Terracotta, Mustard
Cracking Resistance	UNE-EN-ISO 10545-11:1997	Declared Value	Pass
Frost Resistance	UNE-EN-ISO 10545-11:1997	Declared Value	Pass
Chemical Resistance Properties			
Chemical Resistance	UNE-EN-ISO 10545-13:1998	Declared Value	GHA
Household Chemicals	UNE-EN-ISO 10545-13:1998	Declared Value	GA
Stain Resistance Properties			
Resistance to Staining	UNE-EN-ISO 10545-14:1998	Declared Value	5
Slip Resistance Properties			
Slip Resistance (Pendulum)	DIN 51130	Declared Value	R10

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Physical Properties			
Group			Bla
Values According To			UNE-EN-ISO 10545
Material			Porcelain
Colours		Popcorn, Taupe, Topo, Grey, Sage, Moss, Mustard, Terracotta, Nero	
Finish			Gloss
Size Formats (mm)	UNE-EN-ISO 10545-2:1998		50 x 150
Thickness (mm)	UNE-EN-ISO 10545-2:1998		8.5
Rectified			No
Shade Variation			V3
Technical Properties			
Water Absorption	UNE-EN-ISO 10545-3:1997	Eb $\leq 0.5\%$	$\leq 0.5\%$
Modulus of Rupture	UNE-EN-ISO 10545-4: 2012	Min 32 N/mm ²	≤ 32 N/mm ²
Abrasive Resistance	UNE-EN-ISO 10545-7: 1999	Declared Values	PEI 4: Popcorn PEI 3: Grey, Topo, Taupe, Sage PE2: Nero, Moss, Terracotta, Mustard
Cracking Resistance	UNE-EN-ISO 10545-11:1997	Declared Value	Pass
Frost Resistance	UNE-EN-ISO 10545-11:1997	Declared Value	Pass
Chemical Resistance Properties			
Chemical Resistance	UNE-EN-ISO 10545-13:1998	Declared Value	GHA
Household Chemicals	UNE-EN-ISO 10545-13:1998	Declared Value	GA
Stain Resistance Properties			
Resistance to Staining	UNE-EN-ISO 10545-14:1998	Declared Value	5

Range Name:

Rebels

Ref: P+E-REB-TDS-01

Technical specification of ceramic wall tiles with water absorption manufactured in accordance with the EN 14411 standard, BIII group.

	Testing To Standard	Average Typical Values	Result
Physical Properties			
Group			BIII
Values According To			UNE-EN-ISO 10545
Material			Ceramic
Colours		Popcorn, Taupe, Topo, Grey, Sage, Moss, Mustard, Terracotta, Nero	
Finish			Matt, Gloss
Size Formats (mm)	UNE-EN-ISO 10545-2:1998		8 x 150
Thickness (mm)	UNE-EN-ISO 10545-2:1998		8.5
Rectified			No
Shade Variation			V3
Technical Properties			
Water Absorption	UNE-EN-ISO 10545-3:1997	Eb > 10%	> 10%
Modulus of Rupture	UNE-EN-ISO 10545-4: 2012	Min 15 N/mm²	≤ 15 N/mm²
Cracking Resistance	UNE-EN-ISO 10545-11:1997	Declared Value	Pass
Chemical Resistance Properties			
Chemical Resistance	UNE-EN-ISO 10545-13:1998	Declared Value	GHA
Household Chemicals	UNE-EN-ISO 10545-13:1998	Declared Value	GA
Stain Resistance Properties			
Resistance to Staining	UNE-EN-ISO 10545-14:1998	Declared Value	5



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FIXING

To ensure the products adhere correctly to the surface, it is essential to use specific adhesive and grouting material. This must also be suitable for the environment they will have to withstand. Fitting with traditional mortars does not ensure good adhesion.

Due to the nature of the material there may be dimensional variations between pieces. Therefore , all types of joints must be planned and carried out correctly: structural, perimeter, expansion and installation joints. Fitting tiles without joints is not advisable from any technical point of view as this may lead to various problems. For an optimal result we advise to use 1.5 mm grout.

MAINTENANCE AND CLEANING

Once the materials have been fitted, it is advisable to remove any remaining adhesive and grouting material by using a commercial de-scaling product designed especially, diluted with water . The de-scaling product must not remain in contact with the surface to be cleaned for more than 5 minutes.

As a general guideline, powder detergents should not be used, not wire wool or abrasive materials. Generally a sponge will be sufficient with warm water and liquid neutral soap, then rinse with plenty of clean water.

CHROMATIC VARIATION

Rebels Collection has been designed with a medium chromatic variation between pieces. Prior to any installation, range of tiles should be checked by the client. No claims will be accepted after installation.

IMPORTANT NOTES

This collection reproduces traditional hand made tiles, this is the reason why there are slight dimensional differences between pieces (variable lengths and widths), which are part of the intended aesthetic. It is advised to adjust each one of the pieces in the process of installation due to the dimensional differences, instead of using spacers. As a result, these differences give the character, craftsman feel and a high aesthetic value.

PACKAGING

	Size (mm)	Thickness	Box Qty	M² / Box	Kg / Box	Boxes / Pallet	M² / Pallet	Kg / Pallet
A + B	50 x 150	8.5	75	0.533	9.80	100	53.3	980
C + D	8 x 150	8	10	1.475	0.24	200	295	48



