



TELIO

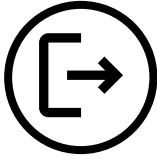
TECHNICAL SPECIFICATION



This Range

Beautiful range of slate-effect porcelain tiles, suitable for interiors and exteriors. From inside to out tiles, in a 10mm and 20mm thickness.

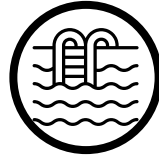
Suitable for:



Exterior



Heavy Footfall



Pool Edging



Stairs

Sizes

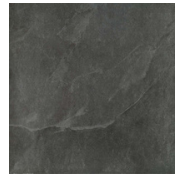
(Available in all colours apart from those with *)

1200 x 1200 x 9mm rectified natural
 1200 x 600 x 9mm rectified natural
 600 x 600 x 9mm rectified natural
 600 x 600 x 9mm rectified grip
 600 x 300 x 9mm rectified natural
 600 x 300 x 9mm rectified grip
 1200 x 600 x 20mm rectified grip
 600 x 600 x 20mm rectified grip
 linear wall mosaic 600 x 300 x 9mm rectified natural
 mosaic 300 x 300 x 9mm rectified (36 piece)
 skirting 600 x 100 x 9mm rectified natural

Colours



Sand



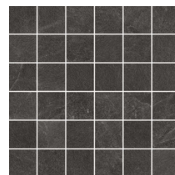
Smoke



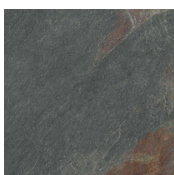
Fume



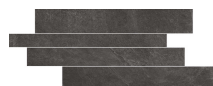
Dust



Mosaic



Burnt



Linear Mosaic

Technical Details

| Technical Features | Test Method | Required Values | Average Values |
|--------------------------|--------------|------------------------------|-------------------------------------------------------------------------------|
| Water Absorption | ISO 10545-3 | ≤ 0,5% | 0,05% |
| Breaking Strength | ISO 10545-4 | ≥ 1300 N | Thick. 9 mm: 1800 N Thick. 20 mm: 13600 N |
| Modulus of rupture | ISO 10545-4 | ≥ 35 N/mm ² | 50 N/mm² |
| Deep Abrasion Resistance | ISO 10545-6 | ≤ 175 mm ³ | 145 mm³ |
| Linear Thermal Expansion | ISO 10545-8 | No provision | $\alpha \leq 7 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$ |
| Stain Resistance | ISO 10545-14 | Classe / Class 3 Min. | 5 RESISTANT |
| Chemical Resistance (*) | ISO 10545-13 | As indicated by manufacturer | LA-HA RESISTANT |
| Frost Resistance | ISO 10545-12 | No alteration | RESISTANT |
| Slip Resistance | BS 7976:2002 | - | PTV 36+ wet (Sl. 96 - Sl. 55) Grip - Exterior |
| Length & Width | ISO 10545-2 | ± 0,3 %, max ± 1 mm | Compliant |
| Straightness of Sides | ISO 10545-2 | ± 0,3 %, max ± 0,8 mm | Compliant |
| Rectangularity | ISO 10545-2 | ± 0,3 %, max ± 1,5 mm | Compliant |
| Warpage | ISO 10545-2 | ± 0,4 %, max ± 1,8 mm | Compliant |
| Thickness | ISO 10545-2 | ± 5 % ± 0,5mm | Compliant |

Technical Details

| Technical Features | Test Method | Required Values | Average Values |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------|--------------------------------------------------------------------------|
| Shade Variation | ANSI A137.1 | As indicated by manufacturer | V2 NAT / STRUTT (SAND, FUME, DUST, SMOKE) V3 NATURAL/GRIP(B URNT) |
| Fire Reaction | EN 13823 EN 9239-1 | CPR (UE) 305/2011, 2000/147/CE, UNI EN 13501-1 | Class A1 (wall) Class A1fl (floor) |
| Thermal conductivity | EN 12524 | - | $\lambda = 1,3 \text{ W/m } ^\circ\text{K}$ |
| Recommended minimum joint (**) | | RECT (Interior) Outdoor | 2mm (RECT) 5-6mm circa/approx |
| <p>(*) Excluding hydrofluoric acid and its derivatives. (**) The width of grout joints must be established by the installation supervisor, unless grout widths are regulated by national laying standards.</p> | | | |



Telio Burnt

Telio Dust





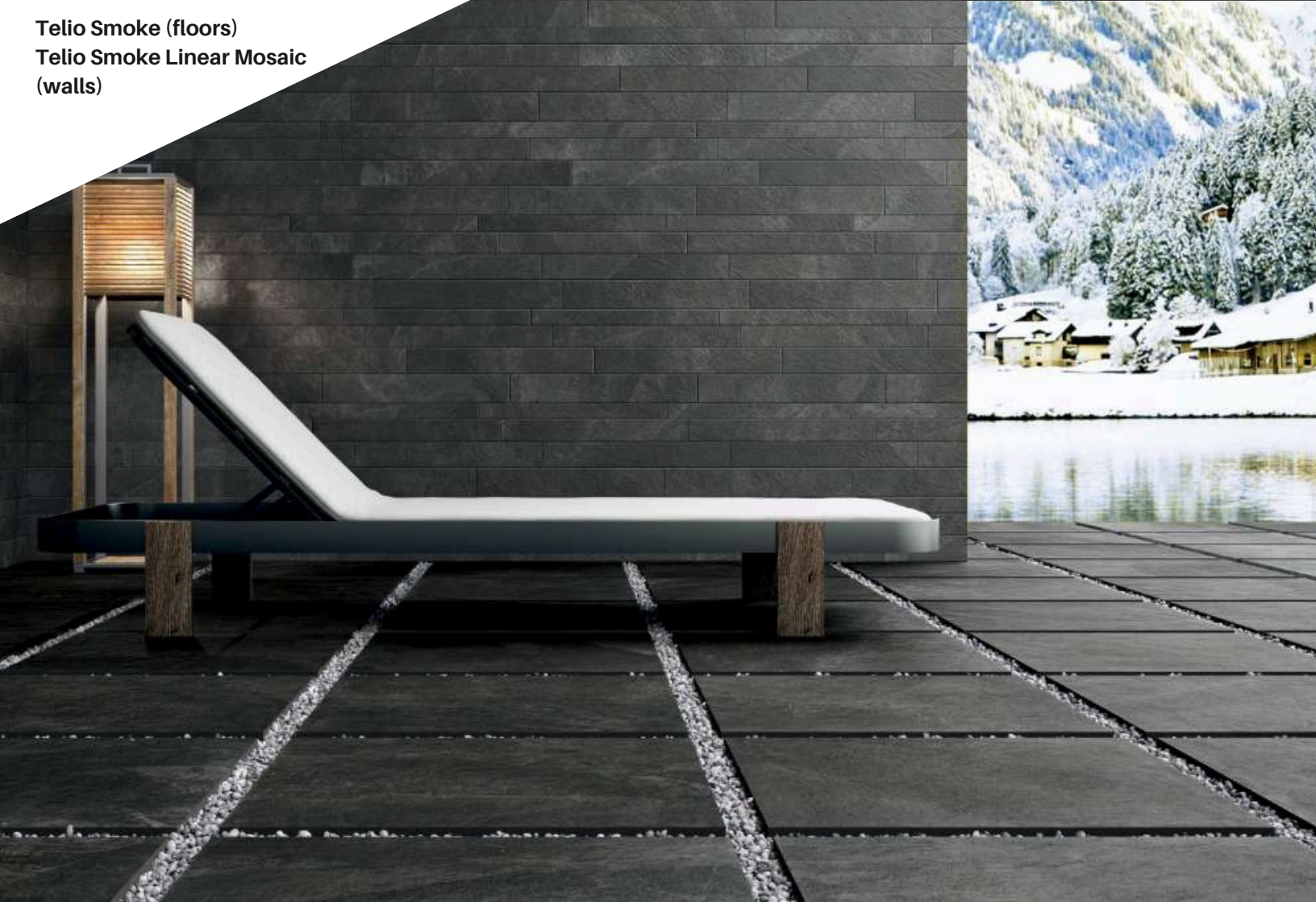
Telio Sand with mosaic)



Telio Fume



Telio Smoke (floors)
Telio Sand Linear Mosaic (walls)



Telio Smoke (floors)
Telio Smoke Linear Mosaic (walls)



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