

GRC Set Concrete Wall Tiles



TECHNICAL INFORMATION

AVAILABLE SIZES

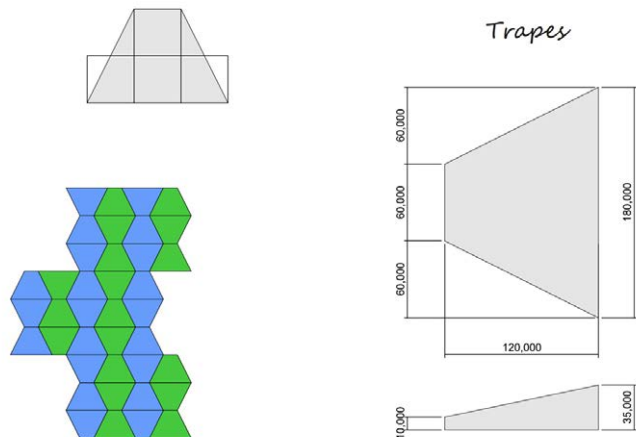
- Size: 180 x 120 mm
 - m² Area = 0.02
 - No per m² = 46
- Minimum order 5m²

APPLICATIONS

- internal/external walls

WEIGHT

- Single tile = 0.75kg
- Per m² = 35kg



TECHNICAL INFORMATION

MATERIAL

- Material – GRC concrete

SUPPORT/BASE

- secure, flat and free from moisture
- tiles do not solve existing damp problems
- there can be no rising or negative humidity

STORAGE

- keep in a dry, clean space in the original packaging
- tiles should be kept in a horizontal way
- allow 24-48 hours to acclimatise before installation

WALL INSTALLATION

- Polyurethane adhesive

PROTECTION

- Water based sealer
- Acrylic wax
- POLIFAN PU K14

CLEANNING & MAINTENANCE

- Clean with fresh water and a neutral pH detergent
- Apply sealer periodically

TEXTURES & FINISHES

STANDARD TEXTURES: Silk (Smooth) – Rough (Pitted) – Sandblasted



FINISHES: Unsealed or a choice of Matt, Satin or Gloss (we recommend sealing to limit staining).

AVAILABLE COLOURS

This selection of colours is for reference use only and are as similar as possible to the real colours. Because we work with only natural materials such as cement, sand and water, these may undergo changes in colour and tone.



GRC Concrete technical data

Parameter	Unit	Spray method	Casted mix method	Conventional concrete
Glass fiber content in concrete mix	%	5	3	0
Dry density	g/cm ³	1.8-2.2	1.8-2.0	2.2-2.5
Thermal conductivity	W/m*K	0.9-1.5	0.9-1.5	1.0-1.6
Thermal expansion	X10 ⁻⁶ /°C	7-12	7-12	10-14
Frost resistance	Cycle	150	150	<100
Attenuation (flat 9,3 mm panel)	dB	31.2	31.2	31.2
Tension				
Breaking stress (UTS)	MPa	8-11	4-7	1-5
Limit of proportionality (LOP)	MPa	5-7	4-6	1-4
Bending				
Breaking stress	MPa	20-30	10-14	3-6
Limit of proportionality (LOP)	Mpa	7-13	5-8	2-3
Young's modulus	GPa	15-25	13-21	27-35
Shear				
Shear	Mpa	8-11	4-7	3-5
Compressive strength	Mpa	50-80	40-60	15-60
Impact strength	kJ/m ²	10-25	10-15	0.05
Modulus of elasticity	GPa	10-20	10-20	20-40
Drying shrinkage	%	0.6-1.2	0.1-0.2	0.8-1.8