

BTX Concrete Technical Data

GENERAL PROPERTIES

- Lighter and stronger than conventional concrete
- UV stability
- High mechanical resistance
- Internal and external use
- Easy maintenance
- Weight: 18kg/m²/10mm
- Composition: Cement - selected sand - specially designed additives and UV stable pigments

FIRE PERFORMANCE CLASSIFICATION

Glass Reinforced Concrete (GRC), is a composite material consisting of cement, fine aggregates, alkali-resistant glass fibres, and admixtures material is classified according to the European standard EN 13501-1 as A1 (non-combustible)

MECHANICAL PROPERTIES

Yield strength (modulus of rupture)	5-8 mpa
Tensile strength (modulus of rupture)	2-5 mpa
Compressive strength	20-30 mpa
Impact strength	5-10 KJ/m ²
Thermal expansion coefficient	20 x 10 ⁻⁶ /°C
Absorption	Low water permeability
Dorry wear	2.5 mm

TOLLERANCES

Thickness	+/-5%
Side straightness	+/-0.5%
Orthogonality	+/-0.6%
Planimetry	+/-0.5%
Length and width	+/-0.6%

NOTE: These values are for reference only and are estimated as formulation. They may vary according to formulation, treatment and manufacturing processes.



NBS Source
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