Technical Products
High Quality
Cost Effective
Easy to use
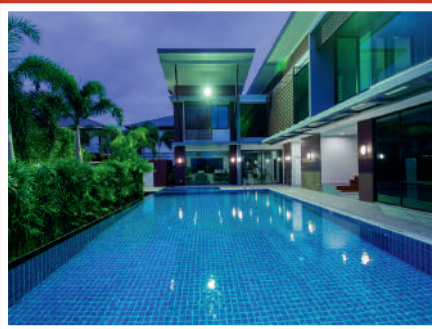
X-CALIBUR®

CONSTRUCTION CHEMISTRY

U.S. GREEN BUILDING COUNCIL®

MEMBER

Tile & Stone Building Solutions

LEED® VOC Compliant

ULTRA LOW VOC

	X-Tile Fix	X-Tile CTA	X-Tile CTA LM	X-Tile STA	X-Tile TTA	X-Tile ETA4
TILE TYPE						
Ceramic/Porous Body	✓	✓	✓	✓	✓	✓
Vitrified		✓	✓	✓	✓	✓
Porceleain			✓	✓	✓	✓
Quarry & Terracotta Tile	✓	✓	✓	✓	✓	✓
Glass & Vitrified Mosaic		✓	✓	✓	✓	✓
MAXIMUM TILE SIZE						
150mmx150mm	✓	✓	✓	✓	✓	✓
200mmx200mm	✓	✓	✓	✓	✓	✓
300mmx300mm		✓	✓	✓	✓	✓
400mmx400mm			✓	✓	✓	✓
500mmx500mm			✓	✓	✓	✓
SUITABLE SUBSTRATES						
Concrete	✓	✓	✓	✓	✓	✓
Render	✓	✓	✓	✓	✓	✓
Plywood*			✓		✓	✓
GRP						✓
Steel						✓
Aluminium						✓
Tile					✓	✓
Green Board*			✓			
MGO Board*			✓			
EXPOSURE CONDITIONS						
Internal	✓	✓	✓	✓	✓	✓
External			✓	✓	✓	✓
Immersed		✓	✓			✓

*Requires priming with X-Tile Bond

Waterproofing & Sealing

|	
X-Shield FlexPruf	High performance polymer modified elasto-cement waterproof coating
X-Shield Reinforcing Fabric	Reinforcing fabric for coating and waterproofing
X-Seal SaniSeal HP20	Superior performance multi purpose sanitary grade building sealant
X-Shield StoneSeal	Penetrating reactive silicone resin integral coating for natural stone, concrete and masonry
X-Shield StainBlock Sealer	Stain resistant water dispersed fluorochemical penetrating sealer
X-Tile Bond	Polymer additive and bonding agent

Membranes

X-Pruf WA Membrane	Waterproofing & crack isolation membrane
X-Shield SoundStop Mat	Acoustic crack isolation membrane

Tile Adhesives

X-Tile Fix	General purpose economical tile adhesive
X-Tile CTA	Cementitious water resistant tile adhesive
X-Tite CTA LM	Two component latex modified tile adhesive
X-Tile STA	Thin bed flexible adhesive for natural stone and low porosity tiles
X-Tile TTA	Polymer modified adhesive for bonding new to old tiles
X-Tile ETA4	Two component epoxy tile and stone adhesive

Tile Grouts

X-Tile Grout TJ	General purpose tile grout
X-Tile Grout EJ	Multi-component epoxy tile grout
X-Tile Grout WJ	Wide joint polymer modified grouting compound
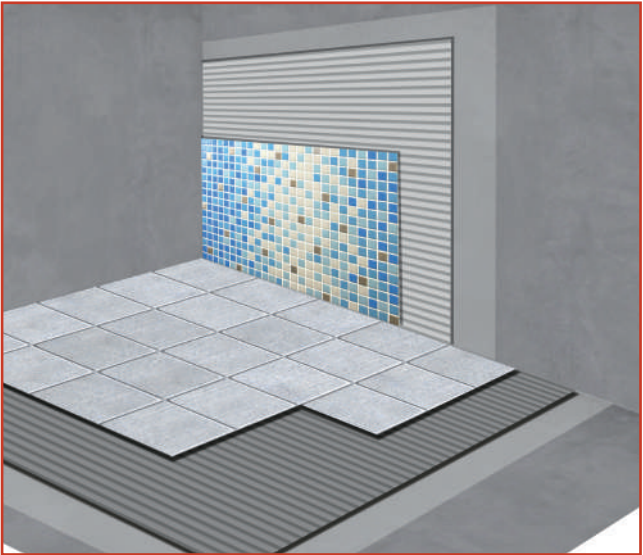
Lab Test Data & Specification Compliance

Laboratory Test Data	X-Tile Fix	X-Tile CTA	X-Tile STA	X-Tile TTA	X-Tile Grout TJ	X-Tile Grout WJ	X-Tile ETA4	X-Tile Grout EJ
Compressive Strength	20MPa at 28 days	20MPa at 28 days	20MPa at 28 days	15MPa	20MPa at 28 days	42MPa at 28 days	>75 MPa	20MPa
Flexural Strength	3MPa at 28 days	3MPa at 28 days	3MPa at 28 days	4MPa	3 MPa at 28 days	6MPa at 28 days	30MPa	8MPa
Bond Strength	>500kN at 7 days	>800kN at 7 days	1200 kN at 7 days	1200kN	1MPa at 28 days	2MPa at 28 days	Concrete >3 MPa Steel >8 MPa Fiberglass >1 MPa	2MPa at 28 days
VOC	<10 g/L	<20 g/L	<20 g/L	<20 g/L	<10 g/L	<10 g/L	<20 g/L	<10 g/L
BS/EN	BS 5980 Class AA 12004 (C1)	12004 (C1)	12004 (C2)	12004 (C2)	BS EN 13888 (CG1)	BS EN 13888 (CG1)	12004 R2	BS EN 13888 (RG1)
ANSI	A118.4*	A118.4	A118.4	A118.4	A118.7	A118.7	A118.3	A118.8

*When used with X-Tile Bond

Application Properties

Application Properties	X-Tile Fix	X-Tile CTA	X-Tile STA	X-Tile TTA	X-Tile Grout TJ	X-Tile Grout WJ	X-Tile ETA4	X-Tile Grout EJ
Pack Size	25kg bags	25kg bags	25kg bags	20kg kit	10 and 25kg bags	25kg bags	5 kg Pack	5 & 10 liter Pack
Application Temperature	5 to 40C	5 to 40C	5 to 40C	5 to 35C	5 to 35C	5 to 40C	5 to 40C	5 to 35C
*Min. Application Thickness	3mm	3mm	3mm	3mm	2mm	5mm	2mm	2mm
Max. Application Thickness	6mm	5mm	5mm	5mm	4mm	25mm	5mm	6mm
Open Time 15C/25C/35C	40/20/10	40/20/10	40/20/10	50/25/15	–	–	120/60/30	–

*Thinset Application

Ancillary Products

Product Name	Pack Size	Yield/Coverage	VOC
X-Shield FlexPruf	22kg kits	12.8L/pack	3g/L
X-Shield Reinforcing Fabric	150mm x 20m rolls	20/lm	Nil
X-Seal SaniSeal HP20	300ml Cartridges 600ml Sausages	Refer to Datasheet	<50 g/L
X-Shield StoneSeal	20 and 200 liter drums	6.5m²/L	<10g/L
X-Shield StainBlock Sealer	19 liter pails	7.4 m²/L	<25g/L
X-Shield SoundStop Mat	1mx10m Roll	10m²/Roll	<50g/m²
X-Pruf WA Membrane	1mx10m Roll	10m²/Roll	<5g/L
X-Tile Bond	5L	Refer to Datasheet	<10g/L

Movement Joints

Movement joints should be provided in tiling works in order to prevent loss of adhesion due to drying shrinkage, thermal and moisture changes. The generic tile movement joint must cut through the tile adhesive bed to work effectively.

Please refer the individual standards shown below for more information.

● **BS 5385-1:** Code of Practice for the design and installation of internal ceramic and natural stone wall tiling and mosaics in normal conditions.

● **BS 5385-2:** Code of Practice for the design and installation of external ceramic wall tiling and mosaics (including terracotta and faience tiles).

● **BS 5385-3:** Code of Practice for the design and installation of ceramic floor tiles and mosaics

● **ANSI A108:** American National Standard Specifications for installation of ceramic tile