

BX EXTERNAL

highly flexible, multi-purpose adhesive designed for fixing fully vitrified tiles and natural stones of all types and sizes indoor and outdoor applications.

AREAS OF USE SURFACES

- Terraces and balconies
- Facades
- Swimming pools and fountains
- Saunas and spas
- Industrial applications
- Commercial applications
- Street furniture
- Large size tile/ stone slabs
- Internal and external use
- Overlaying

MATERIALS

- Vitrified tiles
- Laminated stoneware
- Low thickness slabs
- Existing tiles
- Waterproofing products
- Heating systems
- Cement-based screeds and mortars
- Various mosaics
- Internal insulating and soundproofing panels
- Marble and natural stone
- Cement and gypsum-based plasters/renders
- Brick
- Line and cement-based plasters/renders
- Concrete surfaces
- Cellular concrete
- Fibro-cement slabs
- Plasterboard



CLASS	CHARACTERISTICS
C2	T E S1
COMPLIANT WITH EN 12004 STANDARD	

TYPE 4 T S1
IS 15477 : 2019

TECHNICAL DATA COMPLIANT

▲ Pack	20 kg
▲ Shelf life	12 months in the original packaging, protected from humidity
▲ Adhesive thickness	2 to 15 mm
▲ Temperature range	+5°C to +35°C for air, substrates and materials
▲ Pot life	4 hours at + 30°C
▲ Open time	+30 °C: ≥20 minutes
▲ Open time correction	+35 °C: ≥15 minutes
▲ Foot Traffic/grouting of joints	+23 °C: 18 hours
▲ Grouting in walls	+23 °C: 18 hours
▲ Ready for use at	+23 °C / +35 °C:
▲ Light foot traffic	3-2 days
▲ Heavy traffic	4-3 days
▲ Swimming pools	(+23 °C): 14 days
▲ Coverage per mm thickness	
▲ Gray	1.3 kg/m ²
▲ White	1.2 kg/m ²



PERFORMANCE

Tensile adhesion Dry Condition after (28 days)

2.2 N/mm² (IS 15477: 2019)

Shear Adhesion Dry condition after (28 days)

2.4 N/mm² (IS 15477: 2019)

DURABILITY TEST

Tensile Adhesion Dry Condition (28 days)

1.5 N/mm² (IS 15477: 2019)

Shear Adhesion Heat condition after (28 days)

1.5 N/mm² (IS 15477: 2019)

Shear Adhesion Wet condition after (28 days)

1.5 N/mm² (IS 15477: 2019)

Transversal deformation

>2.5 mm (IS 15477: 2019)

Vertical slip

≤0.5mm (IS 15477: 2019)

Working temperature range

-30°C to +80°C (EN 1348)

GENERAL NOTICES

- It is good practice to dampen highly absorbent concrete surfaces.
- All surfaces must be sound and thoroughly clean before applying BuildXpert adhesive.
- Ensure all traces of grease or oil are removed.
- Remove loose particles of mortar, old wallpaper, paint, etc, completely.
- Apply a sufficient layer of adhesive for maximum adhesion.
- For large rectangular sizes with sides > 30 cm, apply adhesive directly on the back surface of the tile. Check samples to ensure proper transfer of adhesive.
- Create elastic expansion joints based on the recommended guidelines.
- Respect all structural, fractionizing, and perimeter joints present in the surfaces.
- Use BX-Universal on timber, metal, plastic, or resilient materials, deformable surfaces, or surfaces subject to vibrations.
- Do not use on screeds, plasters/renders, uncured concrete, plasterboard, fiber-cement slabs, or smooth prefabricated concrete.
- BuildXpert adhesives are for professional use and should abide by relevant standards and national regulations.
- Protect from direct rainfall for at least 24 hours.
- The temperature, ventilation, and absorption of the surface and covering materials may affect the adhesive's workability and setting times.
- Use the right size of toothed trowel for the tile or slab format.
- For safety data sheet or any other issues, contact the BuildXpert India Helpline.

BUILDXPERT Build with trust

For further information and assistance,
please contact our BuildXpert India Helpline **+91 90547 21118** or
Email at **buildxpert21@gmail.com**.

