



BuildXpert
Build with trust

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Introduction

The tile industry has changed drastically right from the raw material to process to the final outcome of the Tile manufactured. The global ease to import and the desire for new always has also brought in endless Variety of Marbles and Italian stone. The structures today have been more dynamic than before, due to more artistic demand of the out look of the structure. Due to limited availability of Land and demand to stay in the city or workplace, the skyscraper buildings are planned today.

With this change in the application of the final finish material of tile and marbles, the need for new ways of installing them has become a necessity. Large number of flooring and wall cladding are still done with the same historic method and not changed with the change happening around. This ignorance and inflexibility has resulted in a lot of challenges at site today and has raised a lot of question on the durability of the finishes.

Sensing this vacuum a lot of International companies have ventured into Indian markets for tile and stone fixing systems. Due to high price and unaffordability the market is still using traditional system for fixing Tile stones and Italian marbles.

We wish to manufacture material complying to the international standards of manufacturing and testing. The research team and experts are focused to manufacture high standards products and also make it affordable, easily available and user friendly for applicator.

Who We are

Build Xpert is a specialty adhesive manufacturing company with more than 20 years of experience in the Tile and Stone industry. A strong position in the development and production of Adhesive products for bonding Tile & Stone for the construction and infrastructure industry. We manufacture products complying to international norms and standards with mostly locally available raw material to make superior quality products affordable for our clients. With strong hold on research and development, we plan to position. Our products and create a strong position in the market with all our competitors. Build Xpert offers all its customer assurance of the long-lasting impact of its product on applied surfaces with future service and guarantees with the products.

Mission

Build Xpert is committed to providing innovative, sustainable, and safe products to assure a better quality of life for future generations. We wish to play a key role in improving the quality of people's lives by creating increasingly sustainable chemical products for the construction industry.

Vision

We wish to make people aware about the strength of Indian manufacturing and be amongst the top Indian Manufacturer supplying sustainable building solution and create satisfactory customers around the world.



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BuildXpert Technology

Through innovative formulation development, Build Xpert manufactures products that offer more value to our customers. In line with keeping its belief for high-quality products, We manufacture and develop all our product range with National (ISO), European (EN) and ANSI (American Norms), and other International Norms.

We follow the cutting edge technology to create product keeping its end usage in our mind as our product usage are different based on Diverse surface, Diverse construction areas, diverse temperature, and heavyweight.

Why BuilXpert

- ◆ BuildXpert is a company with 20 years of experience of construction and building materials.
- ◆ Material Produced At BuildXpert Are Made In Line With Safe Environmental Conditions Which Does Not Exploit Nature, Man Who Use The Material And People Who Live In The Constructed Place.
- ◆ BuildXpert Manufactures Highly Standardised Products Approved By Indian & Global Standard.
- ◆ BuildXpert Keep A Part Of Its Earning For Innovation And Research & Development And Implementing New Technologies For Betterment Of The Product.
- ◆ All The Raw Materials Before Use And Finished Products Before Dispatch Both Are Tested In Approved Labs.
- ◆ We Keep Updating Our Existing Products In Accordance To The Updates Form Site And Site Requirements.
- ◆ BuildXpert Also Provides Proper Training At Site For Proper Application And Use Of Material By Our Trained Professionals To Site Supervisor Or Engineers.
- ◆ BuildXpert Also Provides Proper Tools To Mix Material And Apply/ Spread Material Properly On Site In Case Required.
- ◆ BuildXpert Has A High Production Capacity And Warehouse To Handle Project Of Any Scale, And Can Supply Material Without Hampering Site Operations. For Further Information Please Get In Touch With Our Technical Team, Will Be Happy To Assist You With The Same.

Advantages :

- Polymer modified mortar, hence less prone to cracking of mortar
- Single component ease for application
- Non-Toxic & User-Friendly application
- Excellent adhesion on smooth surface - Develops high adhesive bond strength
- Non shrink - excellent bond with the substrate
- This mortar does not require external curing
- Forms a dense and impermeable mortar bed water proof



BUILD**X**PERT

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OUR PRODUCTS AND SOLUTION RANGE

BX-CERAMIC

Adhesive For Fixing Ceramic Tiles Indoor And Out Door Area

CLASS	CHARACTERISTICS
C1	T
COMPLIANT WITH EN 12004 STANDARD	



BX-VITRIFIED

Flexible Mineral Adhesive To Fix Vitrified Tiles And Natural Stones

CLASS	CHARACTERISTICS
C2	TE
COMPLIANT WITH EN 12004 STANDARD	



BX-MARBLE

Flexible Mineral Adhesive To Fix Vitrified Tiles And Natural Stones On Floor And Wall

CLASS	CHARACTERISTICS
C2	TE
COMPLIANT WITH EN 12004 STANDARD	



BX-EXTERNAL

Highly Flexible, Multi Purpose, Adhesive To Fix Fully Vitrified Tiles And Natural Stone Of All Type And Size

CLASS	CHARACTERISTICS
C2	TES1
COMPLIANT WITH EN 12004 STANDARD	



BX-CERAMIC

Adhesive For Fixing Ceramic Tiles Indoor And Out Door Area

CLASS	CHARACTERISTICS
C1	T
COMPLIANT WITH EN 12004 STANDARD	



AREAS OF USE

Surfaces :

- Cement-based Screeds And Mortars - Waterproofing Products
- Plasterboard- Line And Cement-based Plaster/renders
- Cement And Gypsum-based Plaster/ Renders
- To Overlay Existing Floors
- Heated Floors
- Fibro Cement Slabs
- Cellular Concrete, For Internal Use
- Concrete Surfaces

Materials :

- ceremic Tiles
- Marble And Natural Stone
- Internal Insulating And Soundproofing
- Indian Marble
- Panels
- Vitrified Tiles
- Various Mosaics
- Terracotta

Uses :

- Adhesive And Finishing
- Terraces And Balconies
- Commercial Applications
- Floors And Walls
- Swimming Pools And Fountains
- Street Furniture
- Internal Use - External Use
- Saunas And Spa
- Overlaying
- Domestic Applications

TECHNICAL DATA COMPLIANT

Pack	20 kg	
Shelf life	= 12 month in the original packaging protect from humidity	
Adhesive thickness	From 2 to 10 mm	
Coverage	= 1.3 kg/m ² per mm of thickness	
Temperature of the air, substrates and materials from +5°C to +35°C		
Port Life	30 ⁰ -35 ⁰ C	= 3-4 hrs
Open time	30 ⁰ -35 ⁰ C	= 15 Min
Adjustability time	25 ⁰ C	= 30 Min
Foot Traffic/grouting of joints	35 ⁰ C	= 24 Hrs
Grouting in walls	30 ⁰ -35 ⁰ C	= 18 Hrs
Ready for use at	23 ⁰ C / +35 ⁰ C	
light foot traffic	= 4/2 days	
heavy traffic	= 6/3 days	

BX-CERAMIC

Adhesive For Fixing Ceramic Tiles Indoor And Out Door Area

CLASS	CHARACTERISTICS
C1	T
COMPLIANT WITH EN 12004 STANDARD	



Materials and Special Surfaces

Marble, Natural Stones and Recomposed Materials that are Subject to deformation or staining due to water absorption require a reactive adhesive.

Marble, natural stones and recomposed materials in general may have characteristics that vary even with reference to materials of the same chemical and physical nature. For this reason it is essential you consult Buildxpert India Helpline to request specific indications or to carry out a test a sample of the material.

Check for the presence of any really consistent traces of rock dust created during cutting and remove them if found.

Performance

Tensile adhesion (concrete/porcelain tiles) after 28 days	$\geq 0.8 \text{ N/mm}^2$	EN 1348
Durability test :		
- Adhesion after heat ageing	$\geq 0.8 \text{ N/mm}^2$	EN 1348
- Adhesion after water immersion	$\geq 0.6 \text{ N/mm}^2$	EN 1348
- Adhesion freeze-thaw cycles	$\geq 0.6 \text{ N/mm}^2$	EN 1348
Working temperature	from -30°C to $+80^{\circ}\text{C}$	

BX-VITRIFIED

Flexible Mineral Adhesive To Fix Vitrified Tiles
And Natural Stones

CLASS	CHARACTERISTICS
C2	TE
COMPLIANT WITH EN 12004 STANDARD	



AREAS OF USE

Surfaces :

- Cement-based Screeds And Mortars - Waterproofing Products - Plasterboard- Line And Cement-based Plaster/renders
- Cement And Gypsum-based Plaster/ Renders - To Overlay Existing Floors - Heated Floors - Fibro Cement Slabs
- Cellular Concrete, For Internal Use - Concrete Surfaces

Materials :

- ceremic Tiles - Marble And Natural Stone - Internal Insulating And Soundproofing Panels
- Vitrified Tiles - Indian Marble
- Terracotta - Various Mosaics

Uses :

- Adhesive And Finishing - Terraces And Balconies - Commercial Applications
- Floors And Walls - Swimming Pools And Fountains - Street Furniture
- Internal Use - External Use - Saunas And Spa
- Overlaying - Domestic Applications

TECHNICAL DATA COMPLIANT

Pack	20 kg	
Shelf life	≈ 12 months in the original packaging	Protect from humidity
Adhesive thickness	from 2 to 15 mm	
Coverage	=1,3 kg/m ² per mm of thickness	
Temperature of the air, substrates and materials	From +5°C to +35°C	
Port life	+35°C	4 hrs
Open time	30°C - 35°C	25 min
Adjustability time	23°C	15 min
Foot traffic/grouting of joints	+35°C	18 hrs
Grouting in walls	+35°C	14 hrs
Ready for use at +23°C / +35°C		
light foot traffic	= 4/2 days	
heavy traffic	= 6/3 days	

BX-VITRIFIED

Flexible Mineral Adhesive To Fix Vitrified Tiles
And Natural Stones

CLASS	CHARACTERISTICS
C2	TE
COMPLIANT WITH EN 12004 STANDARD	



Materials and Special Surfaces

Marble, Natural Stones and Recomposed Materials that are Subject to deformation or staining due to water absorption require a reactive adhesive.

Marble, natural stones and recomposed materials in general may have characteristics that vary even with reference to materials of the same chemical and physical nature. For this reason it is essential you consult Buildxpert India Helpline to request specific indications or to carry out a test a sample of the material.

Check for the presence of any really consistent traces of rock dust created during cutting and remove them if found.

Performance

Tensile adhesion (concrete/porcelain tiles) after 28 days	$\geq 1.2 \text{ N/mm}^2$	EN 1348
Shear adhesion (pocelain tiles/porcelain tiles) after 28 days	$\geq 1.2 \text{ N/mm}^2$	ANSI A-118.1
Shear adhesion after water immersion	$\geq 1.0 \text{ N/mm}^2$	ANSI A-118.1
Shear adhesion after heating to +100°C	$\geq 1.1 \text{ N/mm}^2$	ANSI A-118.1
Durability test :		
- Adhesion after heat ageing	$\geq 1.1 \text{ N/mm}^2$	EN 1348
- Adhesion after water immersion	$\geq 1.0 \text{ N/mm}^2$	EN 1348
- Adhesion freeze-thaw cycles	$\geq 1.0 \text{ N/mm}^2$	EN 1348
Working temperature	from -30°C to +80°C	

BX-MARBLE

Flexible Mineral Adhesive To Fix Vitrified Tiles And Natural Stones On Floor And Wall

CLASS	CHARACTERISTICS
C2	TE
COMPLIANT WITH EN 12004 STANDARD	



AREAS OF USE

Surfaces :

- Cement-based Screeds And Mortars - Waterproofing Products
- Plaster/renders
- Cement And Gypsum-based Plaster/ Renders
- Cellular Concrete, For Internal Use
- Plasterboard- Line And Cement-based
- Heated Floors
- Fibro Cement Slabs
- Concrete Surfaces

Materials :

- ceremic Tiles
- Vitrified Tiles
- Terracotta
- Marble And Natural Stone
- Indian Marble
- Various Mosaics
- Internal Insulating And Soundproofing Panels

Uses :

- Adhesive And Finishing
- Floors And Walls
- Internal Use - External Use
- Overlaying
- Terraces And Balconies
- Swimming Pools And Fountains
- Saunas And Spa
- Domestic Applications
- Commercial Applications
- Street Furniture

Product Strengths

- Highly polymer-modified
- Thicknesses up to 15mm
- For internal and external use
- For balconies and terraces
- No sag
- Prolonged workability
- Adjustable
- Sustains heat ageing
- For fixing stones

Materials and special surface

Marble, Natural Stones and Recomposed Materials that are subject to deformation or staining due to water absorption require a reactive adhesive. Marble, Natural stones and recomposed materials in general may have characteristics that vary even with reference to materials of the same chemical and physical nature. For this reason it is essential you consult BuilXpert India Helpline to request specific indications or to carry out a test on a sample the material.

In the absence of specific indications from the manufacturer, natural stone slabs with reinforcement layers, in the form of resin coating, polymer mesh, matting, Etc. or treatments (for example damp courses, etc.) applied on the fixing surface must be tested in advance to ensure they are compatible with the adhesive.

Check for the presence of any really consistent traces of rock dust created during cutting and remove them if found.

Special applications

Insulating and soundproofing panels for interior use applied using spot adhesion as recommended by the manufacturers. Plasterboard and fibro-cement slabs must be firmly anchored to specific metal frames.

BX-MARBLE

Flexible Mineral Adhesive To Fix Vitrified Tiles And Natural Stones On Floor And Wall

CLASS	CHARACTERISTICS
C2	TE
COMPLIANT WITH EN 12004 STANDARD	



TECHNICAL DATA COMPLIANT

Pack	20 kg	
Shelf life	≈ 12 months in the original packaging	Protect from humidity
Adhesive thickness	from 2 to 15 mm	
Coverage	=1,2 kg/m ² per mm of thickness	
Temperature of the air, substrates and materials	From +5°C to +35°C	
Port life	+30°C	4 hrs
Open time	+ 23°C	60 min
Open time	+ 35°C	20 min
Correction time at	+23°C	15min
Adjustability time	23°C	15 min
Foot traffic	+23°C	18 hrs
Foot traffic / grouting of joints	+30°C	12 hrs
Grouting in walls	+23°C	14 hrs
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	= 1.3kg/m ²	
White	= 1.2kg/m ²	

Performance

Tensile adhesion (concrete/porcelain tiles) after 28 days	≥ 2.0 N/mm ²	EN 1348
Shear adhesion (pocelain tiles/porcelain tiles) after 28 days	≥ 2.0 N/mm ²	ANSI A-118.4
Shear adhesion after water immersion	≥ 1.2 N/mm ²	ANSI A-118.4
Shear adhesion after heating to +100°C	≥ 1.4 N/mm ²	ANSI A-118.4
Durability test :		
- Adhesion after heat ageing	≥ 1.4N/mm ²	EN 1348
- Adhesion after water immersion	≥ 1.2N/mm ²	EN 1348
- Adhesion freeze-thaw cycles	≥ 1.5N/mm ²	EN 1348
- Adhesion after straining cycles	≥ 1.0N/mm ²	SAS Technology
Vertical slip	≤ 0.5 mm	EN 1308
Working temperature	from -30°C to +90°C	

Values taken at +23°C, 50% R.H. and no ventilation. Date may vary depending on specific conditions at the building site.

BX-EXTERNAL

Highly Flexible, Multi Purpose, Adhesive To Fix Fully Vitrified Tiles And Natural Stone Of All Type And Size

CLASS	CHARACTERISTICS
C2	TES1
COMPLIANT WITH EN 12004 STANDARD	



AREAS OF USE

Uses No Limit :

- | | | |
|-------------------------------|---------------------------------|--------------------------|
| - Adhesive And Finishing | - Terraces And Balconies | - Domestic Applications |
| - Floors And Walls | - Facades | - Industrial Application |
| - Internal Use - External Use | - Swimming Pools And Fountatins | - Cemmercialapplications |
| - Overlaying | - Saunas And Spa | - Street Furniture |

Materials No Limit :

- | | | |
|-----------------------|----------------------------|---|
| - Vitrified Tiles | - Large Size | - Various Mosaics |
| - Laminated Stoneware | - Terracotta | - Internal Insulating And Soundproofing |
| - Low Thickness Salab | - Marble And Natural Stone | - Panels |
| - Ceramic Tiles | - Recomposed Materials | |

Surface No Limits:

- | | | |
|------------------------------------|--|--|
| - Existing Tiles | - Cement And Gypsum-based Plasters/
Renders | - Brick |
| - Waterproofing Products | - Concrete Surfaces | - Line And Cement-based Plasters/
Renders |
| - Heating System | - Callular Concrete | - Thernal Insulation Panelling Systems |
| - Cement-based Screeds And Mortars | - Plasterboard | - Fibro-cement Slabs |

TECHNICAL DATA COMPLIANT

Shelf life	≈ 12 months in the original packaging	Protect from humidity
Pack	20 kg	
Adhesive thickness	from 2 to 12 mm	
Temperature of the air, substrates and materials	from +5 °C to +35 °C	
Pot life at	30 °C- 35 °C	≈ 4 hrs
Open time at	30 °C- 35 °C	≥ 20 min.
Correction time	≥ 15 min.	EN 14411
Foot traffic/grouting of joints at	30 °C- 35 °C	≥ 20 min.
Grouting in walls at		
Ready for use at	+23 °C / +35 °C	
- light foot traffic	≈ 3 – 2 days	EN 14411
- heavy traffic	≈ 4 – 3 days	EN 14411
- swimming pools (+23 °C)	≈ 14 days	EN 14411
Coverage per mm thickness:		
Gray	≈ 1.3 kg/m ²	
White	≈ 1.2 kg/m ²	

Performance

Tensile adhesion (concrete/porcelain tiles) after 28 days	≥2.2 N/mm ²	EN 1348
Shear adhesion (pocelain tiles/porcelain tiles) after 28 days	≥2.2 N/mm ²	ANSI A-118.1
Shear adhesion after water immersion	≥1.8 N/mm ²	ANSI A-118.1
Shear adhesion after heating to +100°C	≥2.0 N/mm ²	ANSI A-118.1
Transversal deformation	≥2.5 mm	
Durability test :		
- Adhesion after heat ageing	≥2.0N/mm ²	EN 1348
- Adhesion after water immersion	≥1.8N/mm ²	EN 1348
- Adhesion freeze-thaw cycles	≥1.8N/mm ²	EN 1348
- Adhesion after straining cycles	≥1.2N/mm ²	SAS Technology
Working temperature	from -30°C to +80°C	

Preparation of the Surface

- It is good practice to dampen highly absorbent concrete surfaces.
- All surfaces must be sound and thoroughly clean before Tile Adhesive Ex. is applied.
All traces of grease or oil must be removed with suitable degreaser. All loose particles of mortar, old wallpaper, paint etc., must be physically removed. In case of cementitious surfaces.

Application

To guarantee maximum adhesion it is necessary to apply a sufficient layer of adhesive.
Large, rectangular sizes with sides > 30 cm may require adhesive to be applied directly on the back surface of the tile.

Check samples to make sure the adhesive has been transferred to the back of the material.

Create elastic expansion joints :

- $\approx 10 \text{ m}^2$ in external applications,
- $\approx 25 \text{ m}^2$ in internal applications,
- every 8 metres in long, narrow applications

Respect all structural, Fractionizing, and perimeter Joints present in the surfaces.

Do not use

- On timber, metal, plastic or resilient materials, deformable surface or subject to vibrations.
- On screeds, plasters/renders, not yet cured concrete.
- On surface subject to vibrations.
- On plasterboard and fibre-cement slabs.
- On smooth prefabricated concrete.

General Notices

- Product for professional use
- abide by any standards and national regulations
- do not use the adhesive to correct surface irregularities greater than 10 mm
- Protect from direct rainfall for at least 24 hrs
- The temperature, ventilation and absorption of the surface and covering materials to be fixed may cause variations in the adhesive workability and setting times
- use the right size of toothed trowel for the format of the tile or slab
- guarantee a full-bed in all external laying operations
- if necessary, ask for the safety data sheet.
- for any other issues, contact the buildxpert India Helpline

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