SOMANY

# Ezy Fix

TILE ADHESIVES & GROUTS

STRONG & STEADY

BUILT TO LAST

EZY FIX ADHESIVE FIXES FAST




• TILE ADHESIVE • EPOXY GROUT • CEMENT POLYMER GROUT

• PU ADHESIVE • GROUT ADMIX • TILE CLEANER

SOMANY
TILES | BATHWARE

**SOMANY CERAMICS LIMITED**

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GRIHA Council

This is to certify that the products of

***"SOMANY CERAMICS LIMITED"***

***Somany Ezy Fix and Somany Ezy Grout***
***(under typology Adhesives)***

have been included in the GRIHA Product Catalogue under the following categories:

**GRIHA v.2/3 criterion: 26;**
**GRIHA v.2015 criterion: 13**
**&**
**GRIHA v.2019 criterion: 12**

The products can be used in GRIHA & SVAGRIHA registered projects to meet the GRIHA & SVAGRIHA norms, respectively. This is valid only for the products which have been mentioned above.

The certificate for the above mentioned product is valid from
**4th April 2022 – 3rd April 2024**

**Sanjay Seth**
**Chief Executive Officer**

***Note: This evaluation has been done based on the documentation - in the form of 3rd party test results and/or declarations - submitted by the manufacturer to GRIHA Council.***

GRIHA Council is a joint initiative of Ministry of New and Renewable Energy, Government of India and The Energy and Resources Institute (TERI) to implement GRIHA (Green Rating for Integrated Habitat Assessment), India's National Rating System for Sustainable Habitats.
www.grihaindia.org

## COMPANY AND BUSINESS BACKGROUND

Somany Ceramics Limited, is a pioneer in the tile & ceramic industry and an internationally acclaimed organization recongnized as a leader in design & innovation. SOMANY is one of the largest and fastest growing tiles brand globally, with exporting it's products in over 55 countries.

As a leading player in the ceramic industry in India, the company is a complete solution provider in terms of décor solutions with widest product range - Ceramic Wall and Floor Tiles, Polished Vitrified Tiles, Glazed Vitrified Tiles, Sanitaryware and Bath Fittings.

In addition to being a pioneer in tiles, SOMANY places great importance on offering comprehensive one stop solution. This commitment led us to introduce EzyFix®, a division specializing in Adhesive & Grouts. Our extensive selection of high-quality products includes Tile Adhesives, Epoxy and Cement-based grouts, admixtures, and tile cleaners, providing consumers with a convenient solution for their tile laying needs.

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# Ezy Fix

## GLASS MOSAIC TILE ADHESIVE

EN 12004:C2TES1 IS 15477:2019 : Type 3 TS1

SOMANY Ezy Fix Glass Mosaic tile adhesive is a premium water resistant, high performance polymer modified cementitious wall tile adhesive, specially formulated for fixing glass mosaic tiles, granite and other natural stones on wet surfaces.

## APPLICATIONS

- Suitable for use in swimming pools, fountains and bathrooms underwater installations or wet surface areas.
- All type of tiles specially glass mosaic, vitrified, granite & stone.

## FEATURES

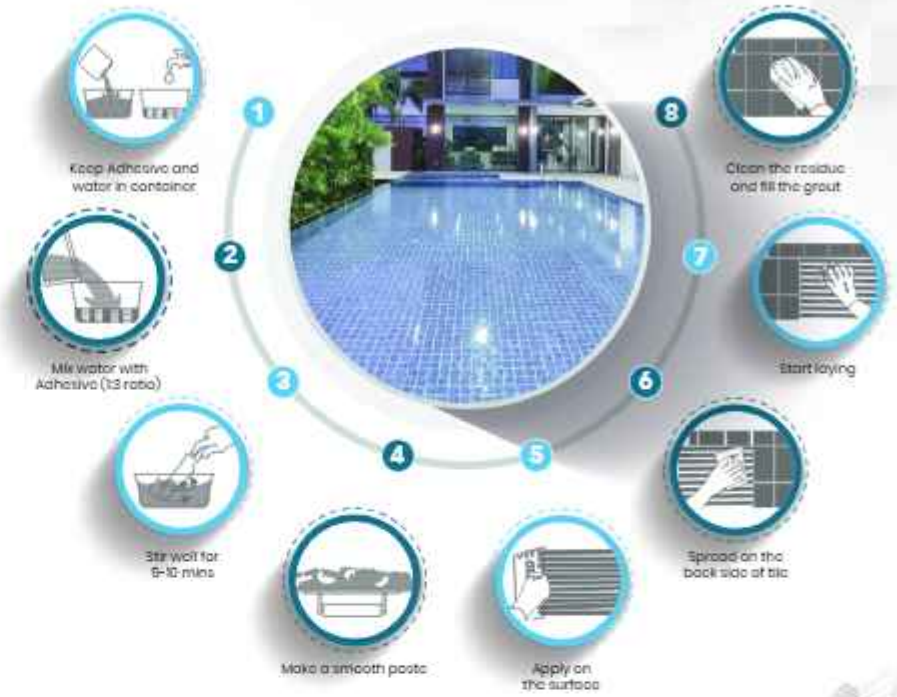
- Easy to use
- High performance & strength
- High strength polymer modified adhesive
- Highly flexible adhesive
- Self - curing adhesive
- Premium - multi use adhesive
- Water - resistant
- Excellent for swimming pools, fountains, etc
- Single component mixed with water




High Strength Polymer Modified

VOC: Practically Nil

## DIRECTIONS FOR USE




## TECHNICAL SPECIFICATIONS

| CONSUMPTION COVERAGE |
|---|
| Approx. 55-60 ft. per bag with 1/4"X1/4" (6mmX6mm) square notched trowel for av. Bed of 3mm<br>Coverage depends upon trowel size, type & substrate's evenness & smoothness |
| **SHELF LIFE** |
| 12 months from the date of manufacturing in a dry and sealed condition. |
| **PACKING SIZE** |
| 20Kg BOPP bag with liner |

| PARAMETERS | RESULTS |
|---|---|
| Appearance | White |
| Bed Thickness | 4-8mm |
| Mixing ratio | 6.5 Ltr. water per 20 kg bag (1:3 ratio) in a clean container |
| Mixing Time | 5- 10 Min |
| Open Time | 10 mins |
| Adjustment Time | 15 mins |
| Pot life | 2 hrs. |
| Bulk density | 1.4gm/CC |
| Setting Time | 24 hrs. |
| Full Strength | After 28 days |

| PARAMETERS | REQUIRED AS PER IS : 15477-2019 (TYPE-3) | TEST VALUE OBTAINED |
|---|---|---|
| 1. Tensile Adhesion strength (Min) Dry condition @ 28 days | 1.5 N/mm2 | 1.8 N/mm2 |
| 2. Shear Adhesion strength (Min) Dry condition @ 28 days | 1.5 N/mm2 | 1.9 N/mm2 |
| 3. Slip Resistance 'T' | Not more than 0.5 mm | < 0.35 mm |
| 4. Deformability 'S1' | > 2.5 mm - < 5.0 mm | > 2.65 mm |

Working property at 70° F (25° C)± 2°

Note:- Actual field performance & results will depend on installation method & site/weather conditions.

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# Ezy Fix

## SEF 888

LIMITLESS TILE & STONE ADHESIVE

EN 12004:C2TES1 IS 15477:2019 : Type 4 TS1

SOMANY Ezy Fix Limitless Tile & Stone Adhesive SEF 888 is a premium water - resistant, high performance polymer modified cementitious wall tile adhesive, specially formulated for fixing vitrified tiles, specially large size granite and other natural stones on exterior surfaces. It can be used for cladding of tiles and stones on external building surfaces.

## APPLICATIONS

- Specifically designed for exterior wall of all types of ceramic tiles, vitrified tiles, Porcelain tiles, marble, granite & natural stone etc.
- Ideal for high rise buildings.

## FEATURES

- Easy to use
- High performance & strength
- High strength polymer modified adhesive
- Highly flexible adhesive
- Self - curing adhesive
- Premium - multi use adhesive
- Water - resistant
- High rise buildings
- Single component mixed with water

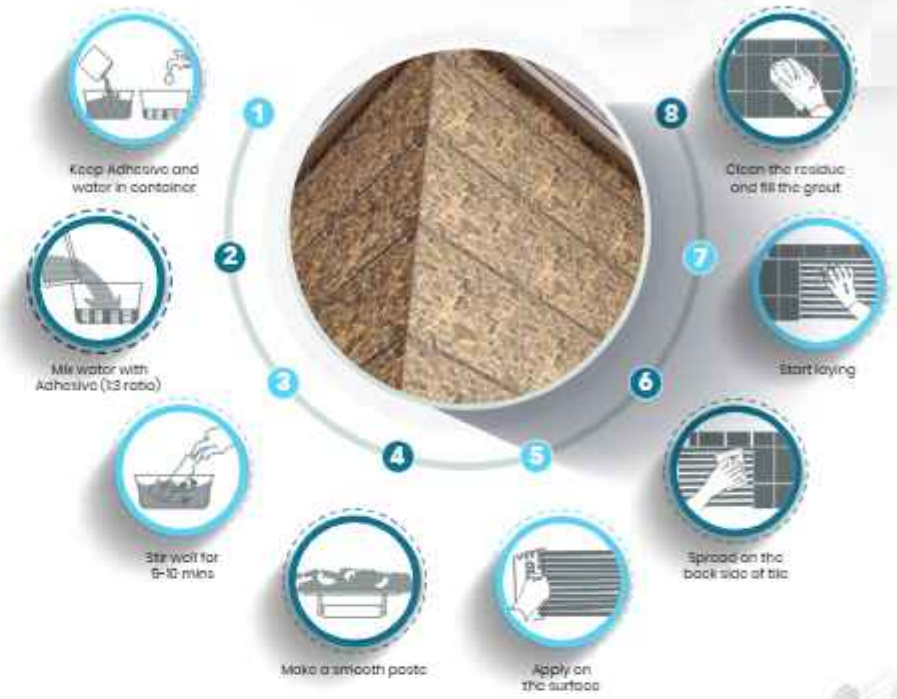
VOC: Practically Nil




High Strength Polymer Modified



## DIRECTIONS FOR USE




## TECHNICAL SPECIFICATIONS*

| CONSUMPTION COVERAGE |
|---|
| Approx. 55-60 ft. per bag with 1/4"X1/4" (6mmX6mm) square notched trowel for av. Bed of 3mm<br>Coverage depends upon trowel size, type & substrate's evenness & smoothness |
| **SHELF LIFE** |
| 12 months from the date of manufacturing in a dry and sealed condition. |
| **PACKING SIZE** |
| 20Kg BOPP bag with liner |

| PARAMETERS | RESULTS |
|---|---|
| Appearance | Grey |
| Bed Thickness | 4-6mm |
| Mixing ratio | 5.5-6 Ltr. water per 20 kg bag (1:3 ratio) in a clean container |
| Mixing Time | 5- 10 Min |
| Open Time | 10 mins |
| Adjustment Time | 15 mins |
| Pot life | 2 hrs. |
| Bulk density | 1.4gm/CC |
| Setting Time | 24 hrs. |
| Full Strength | After 28 days |

| PARAMETERS | REQUIRED AS PER IS : 15477-2019 (TYPE-3) | TEST VALUE OBTAINED |
|---|---|---|
| 1. Tensile Adhesion strength (Min) Dry condition @ 28 days | 1.5 N/mm2 | 2 N/mm2 |
| 2. Shear Adhesion strength (Min) Dry condition @ 28 days | 1.5 N/mm2 | 2.2 N/mm2 |
| 3. Slip Resistance 'T' | Not more than 0.5 mm | ≤ 0.22 mm |
| 4. Deformability 'S' | ≥ 2.5 mm - ≤ 5.0 mm | ≥ 2.65 mm |

Working property at 70° F (21° C)

Note:- Actual field performance & results will depend on installation method & site/weather conditions.

* For Detailed Technical Specification refer page no. 26 to Page no. 33

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# Ezy Fix

## SEF 777 / 777 WHITE

ELEVATION TILE ADHESIVE

EN 12004:C2TES1 IS 15477:2019 : Type 3 TS1

SOMANY Ezy Fix Elevation Tile adhesive SEF 777 is a premium water - resistant, high performance polymer modified cementitious wall tile adhesive, specially formulated for fixing vitrified tiles, granite and other natural stones on exterior surfaces. It can be used for cladding of tiles and stones on external building surfaces.

## APPLICATIONS

- Available in white also.
- Specifically designed for exterior wall & installations of large size ceramic tiles, vitrified tiles, semi vitreous tiles, interior wall/floor sufaces, marble, granite & natural stone etc.
- Ideal for use in green buildings.

## FEATURES

- Easy to use
- High performance & strength
- High strength polymer modified adhesive
- Highly flexible adhesive
- Self - curing adhesive
- Premium - multi use adhesive
- Water - resistant
- Excellent for swimming pools, fountains, etc
- Single component mixed with water




High Strength Polymer Modified

VOC: Practically Nil

*Recommendation: Wall mounting & tile fixing should be upto 60 feet for 600X600mm & 600X1200mm

## DIRECTIONS FOR USE




## TECHNICAL SPECIFICATIONS*

| CONSUMPTION COVERAGE |
|---|
| Approx. 55-60 ft. per bag with 1/4"X1/4" (6mmX6mm) square notched trowel for av. Bed of 3mm<br>Coverage depends upon trowel size, type & substrate's evenness & smoothness |
| **SHELF LIFE** |
| 12 months from the date of manufacturing in a dry and sealed condition. |
| **PACKING SIZE** |
| 20Kg BOPP bag with liner |

| PARAMETERS | RESULTS |
|---|---|
| Appearance | Grey / White |
| Bed Thickness | 4-6mm |
| Mixing ratio | 5.5-6 Ltr. water per 20 kg bag (1:3 ratio) in a clean container |
| Mixing Time | 5- 10 Min |
| Open Time | 20 mins |
| Adjustment Time | 25 mins |
| Pot life | 2 Hrs |
| Bulk density | 1.4gm/CC |
| Setting Time | 24 Hrs |
| Full Strength | After 28 days |

| PARAMETERS | REQUIRED AS PER IS : 15477-2019 (TYPE-3) | TEST VALUE OBTAINED |
|---|---|---|
| 1. Tensile Adhesion strength (Min) Dry condition @ 28 days | 1.5 N/mm2 | 1.8 N/mm2 |
| 2. Shear Adhesion strength (Min) Dry condition @ 28 days | 1.5 N/mm2 | 1.9 N/mm2 |
| 3. Slip Resistance 'T' | Not more than 0.5 mm | 0.35 mm |
| 4. Deformability 'S' | ≥ 2.5 mm - ≤ 5.0 mm | 2.60 mm |

Working property at 70° F (21° C)

Note:- Actual field performance & results will depend on installation method & site/weather conditions.

*For Detailed Technical Specification refer page no. 26 to Page no. 33*

SOMANY

# Ezy Fix

## SEF 666 / 666 WHITE

TOUGH BOND TILE ADHESIVE

EN 12004:C1TE  IS 15477:2019 : Type 2

SOMANY Ezy Fix Tough Bond Tile Adhesive SEF 666 is a high performance polymer modified cement based tile adhesive. Specially designed for fixing ceramic tiles, vitrified tiles & porcelain tiles on interior walls. It is suitable for various wall installations in kitchens, bathrooms, corridors, lobbies, meeting rooms, central halls etc & is applicable in all types of ceramic, vitrified and porcelain tiles.

## APPLICATIONS

- Available in white also.
- Specifically designed for interior wall & installations of large size ceramic tiles, vitrified tiles, semi vitreous tiles, interior wall/floor sufaces, marble, granite & natural stone etc.

## FEATURES

- Easy to use
- High performance & strength
- High strength polymer modified adhesive
- Highly flexible adhesive
- Self - curing adhesive
- Premium - multi use adhesive
- Water - resistant
- Cladding/installation in wall
- Suitable for wet wall surfaces
- Single component mixed with water
- Ultimate bond strength

VOC: Practically Nil

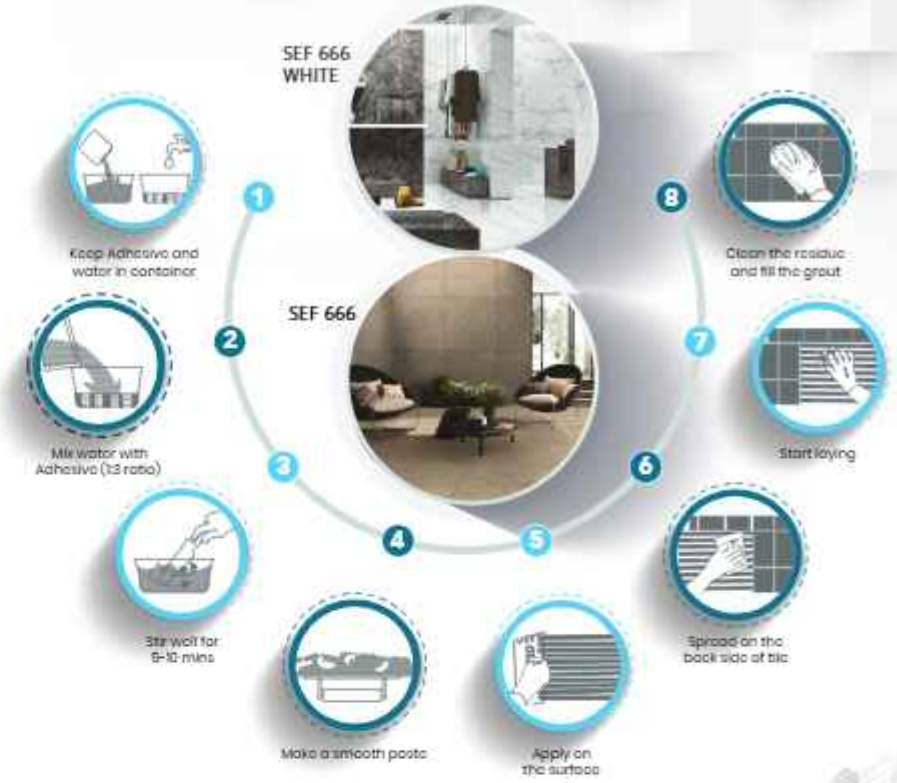



High Strength Polymer Modified

*Recommendation: Interior wall mounting and tile fixing should be upto 30 ft. for 600X600mm & 600X1200mm



## DIRECTIONS FOR USE




## TECHNICAL SPECIFICATIONS*

| CONSUMPTION COVERAGE |
|---|
| Approx. 55-60 ft. per bag with 1/4"X1/4" (6mmX6mm) square notched trowel for av. Bed of 3mm<br>Coverage depends upon trowel size, type & substrate's evenness & smoothness |
| **SHELF LIFE** |
| 12 months from the date of manufacturing in a dry and sealed condition |
| **PACKING SIZE** |
| 20Kg BOPP bag with liner |

| PARAMETERS | RESULTS | |
|---|---|---|
| Appearance | Grey | |
| Bed Thickness | 4-6mm | |
| Mixing ratio | 5.5-6 Ltr. water per 20 kg bag (1:3 ratio) in a clean container | |
| Mixing Time | 5- 10 Min | |
| Open Time | 15 Mins | |
| Adjustment Time | 20 Mins | |
| Pot life | 2 Hrs | |
| Bulk density | 1.4gm/CC | |
| Setting Time | 24 Hrs | |
| Full Strength | After 28 days | |
| **PARAMETERS** | **REQUIRED AS PER IS : 15477-2019 (TYPE-2)** | **TEST VALUE OBTAINED** |
| 1. Tensile Adhesion strength (Min) Dry condition @ 28 days | 1N/mm2 | 1.25 N/mm2 |
| 2. Shear Adhesion strength (Min) Dry condition @ 28 days | 1.25 N/mm2 | 1.5 N/mm2 |
| 3. Slip Resistance 'T' | Not more than 0.5 mm | ≤ 0.30 mm |
| 4. Deformability 'S1' | ≥ 2.5 mm - ≤ 5.0 mm | ≥ 2.65 mm |

Working property at 70° F (21° C)

Note:- Actual field performance & results will depend on installation method & site/weather conditions.

*For Detailed Technical Specification refer page no. 26 to Page no. 33*

SOMANY

# Ezy Fix

## SEF 555

WHITE TILE ADHESIVE

EN 12004:C1T  IS 15477:2019 : Type 1

SOMANY Ezy Fix White Tile Adhesive SEF 555 is a high strength polymer added cement base white tile adhesive. Specially designed for fixing ceramic and vitrified tiles in interior floor surfaces. This highly flexible adhesive also has an excellent water proofing ability. When properly applied, it takes care of hollowness problem. It gives excellent bond on cementitious surfaces, concrete plaster and tile surfaces.

## APPLICATIONS

- Suitable for (interior application).
- It is suitable for fixing all type of ceramics tiles on interior wall/floor surfaces & regular size for vitrified floor tiles.
- Suitable for white tiles & stones in floor application.

## FEATURES

- Easy to use
- High performance & strength
- High strength polymer modified adhesive
- Easy mixing and smooth application & better workability
- Self - curing adhesive
- Single component mixed with water
- High bond strength
- Suitable for thick bed installation
- Water - resistant

VOC: Practically Nil




High Strength Polymer Modified

## DIRECTIONS FOR USE




## TECHNICAL SPECIFICATIONS*

| CONSUMPTION COVERAGE |
|---|
| Approx. 55-60 ft. per bag with 1/4"X1/4" (6mmX6mm) square notched trowel for av. Bed of 3mm<br>Coverage depends upon trowel size, type & substrate's evenness & smoothness |
| **SHELF LIFE** |
| 12 months from the date of manufacturing in a dry and sealed condition |
| **PACKING SIZE** |
| 20Kg BOPP bag with liner |

| PARAMETERS | RESULTS |
|---|---|
| Appearance | White |
| Bed Thickness | 4-8mm |
| Mixing ratio | 6.5 Ltr. water per 20 kg bag (1:3 ratio) in a clean container |
| Mixing Time | 5- 10 Min |
| Open Time | 15 Mins |
| Adjustment Time | 20 Mins |
| Pot life | 2 hrs. |
| Bulk density | 1.4gm/CC |
| Setting Time | 24 hrs. |
| Full Strength | After 28 days |

| PARAMETERS | REQUIRED AS PER IS : 15477-2019 (TYPE-1) | TEST VALUE OBTAINED |
|---|---|---|
| 1. Tensile Adhesion strength (Min) Dry condition @ 28 days | 0.5 N/mm2 | 1 N/mm2 |
| 2. Shear Adhesion strength (Min) Dry condition @ 28 days | 1 N/mm2 | 1.5 N/mm2 |

Working property at 70° F (21° C)

Note:- Actual field performance & results will depend on installation method & site/weather conditions.

*For Detailed Technical Specification refer page no. 26 to Page no. 33*

SOMANY

# Ezy Fix

## SEF 444

EN 12004:C1T IS 15477:2019 : Type 2

SOMANY Ezy Fix SEF 444 is a high strength Polymer modified cement based premium ISI Tile Adhesive. Specially formulated for fixing ceramics tiles/ vitrified tiles in interior and exterior locations on wall & floor. This highly flexible adhesive also has an excellent water proofing ability. It gives excellent bond on cementitious surfaces, concrete, plaster, marble and other tile surfaces. This adhesive can also be used for renovation areas. Usage tip: Somany Ezy Fix adhesive, needs to be mixed with SOMANY Ezy Fix Adhesive Admix for stone and granite installations and vitrified medium size for wall & ceramic tiles installations.

## APPLICATIONS

- It is suitable for fixing all type of ceramics tiles on interior wall/floor surfaces & Vitrified tiles

  (*Regular Size for Floor & Small Size for wall mounting)

## FEATURES

- Easy to use
- Suitable for thick bed installation
- Self - curing adhesive
- Water - resistant
- Easy mixing, smooth application & user friendly
- Single component mixed with water
- High performance & strength
- Highly flexible adhesive
- High bond strength
- High strength polymer modified adhesive

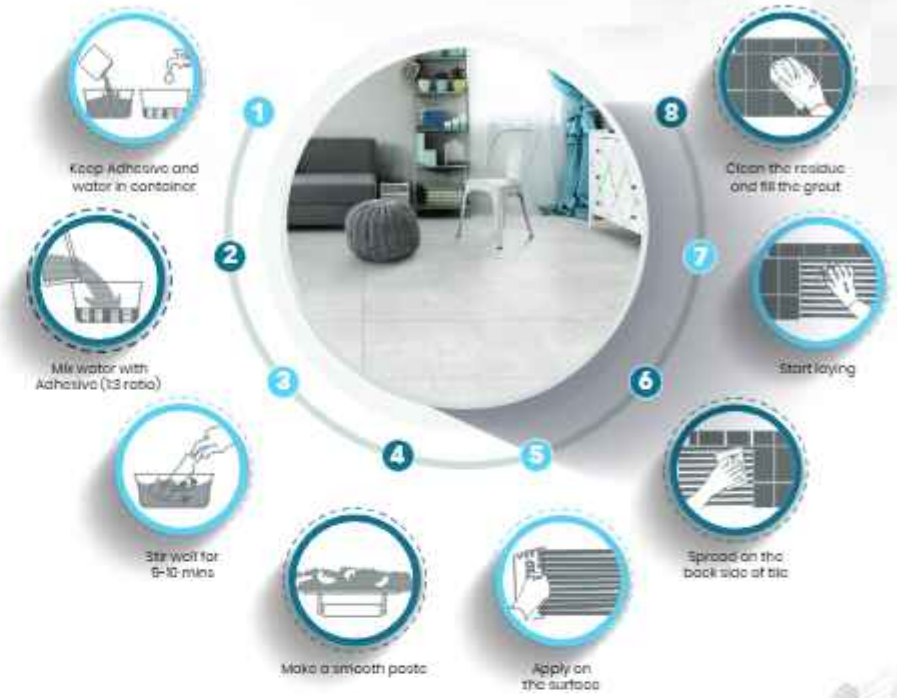



High Strength Polymer Modified

VOC: Practically Nil



## DIRECTIONS FOR USE




## TECHNICAL SPECIFICATIONS*

| CONSUMPTION COVERAGE |
|---|
| Approx. 55-60 ft. per bag with 1/4"X1/4" (6mmX6mm) square notched trowel for av. Bed of 3mm<br>Coverage depends upon trowel size, type & substrate's evenness & smoothness |
| **SHELF LIFE** |
| 12 months from the date of manufacturing in a dry and sealed condition |
| **PACKING SIZE** |
| 20Kg BOPP bag with liner |

| PARAMETERS | RESULTS |
|---|---|
| Appearance | Gray |
| Bed Thickness | 4-6mm |
| Mixing ratio | 5.5-6 Ltr. water per 20 kg bag (1:3 ratio) in a clean container |
| Open Time | 15 Mins |
| Adjustment Time | 20 Mins |
| Pot life | 2 hrs. |
| Setting Time | 24 hrs. |
| Full Strength | After 28 days |

| PARAMETERS | REQUIRED AS PER IS : 15477-2019 (TYPE-2) | TEST VALUE OBTAINED |
|---|---|---|
| 1. Tensile Adhesion strength (Min) Dry condition @ 28 days | 1 N/mm2 | 1.1 N/mm2 |
| 2. Shear Adhesion strength (Min) Dry condition @ 28 days | 1.25 N/mm2 | 1.4 N/mm2 |

Working property at 70° F (21° C)

Note:- Actual field performance & results will depend on installation method & site/weather conditions.

* For Detailed Technical Specification refer page no. 26 to Page no. 33

# Ezy Fix

## SEF 333

EN 12004:C1T IS 15477:2019 : Type 1

SOMANY Ezy fix (Express) SEF 333 is a polymer added cement based tile adhesive. It gives excellent bond on cementitious surfaces like concrete and plaster. Somany Ezy Fix 333 is specially designed for application for ceramics and vitrified tiles (Internal wall & floor surfaces). This highly flexible adhesive also has an excellet water proofing ability. When properly applied, it takes care of hollowness problem.

## APPLICATIONS

- It is suitable for fixing all type of ceramics tiles on interior wall/floor surfaces & small/regular size for vitrified floor tiles.

## FEATURES

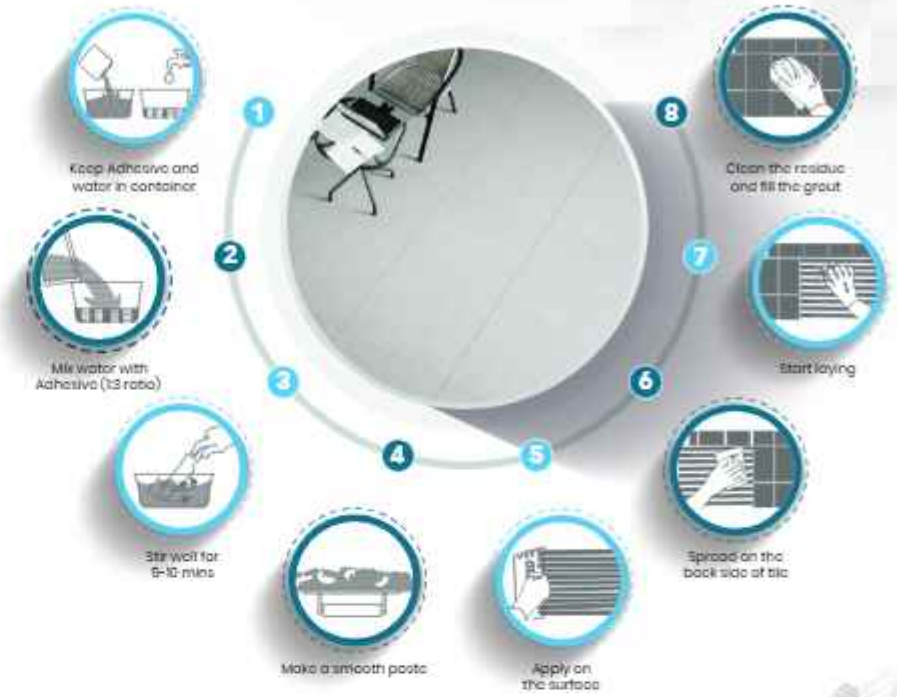
- Easy to use
- Suitable for thick bed installation
- High bond strength
- High strength polymer modified adhesive
- Self - curing adhesive
- Water - resistant
- Easy mixing, smooth application & user friendly
- Single component mixed with water

VOC: Practically Nil




High Strength Polymer Modified

## DIRECTIONS FOR USE




## TECHNICAL SPECIFICATIONS*

| CONSUMPTION COVERAGE |
|---|
| Approx. 55-60 ft. per bag with 1/4"X1/4" (6mmX6mm) square notched trowel for av. Bed of 3mm<br>Coverage depends upon trowel size, type & substrate's evenness & smoothness |
| **SHELF LIFE** |
| 12 months from the date of manufacturing in a dry and sealed condition |
| **PACKING SIZE** |
| 20Kg BOPP bag with liner |

| PARAMETERS | RESULTS |
|---|---|
| Appearance | Gray |
| Bed Thickness | 4-8mm |
| Mixing ratio | 5.5-6 Ltr. water per 20 kg bag (1:3 ratio) in a clean container |
| Mixing Time | 5- 10 Min |
| Open Time | 15 Mins |
| Adjustment Time | 20 Mins |
| Pot life | 2 hrs. |
| Bulk density | 1.4gm/CC |
| Setting Time | 24 hrs. |
| Full Strength | After 28 days |

| PARAMETERS | REQUIRED AS PER IS : 15477-2019 (TYPE-1) | TEST VALUE OBTAINED |
|---|---|---|
| 1. Tensile Adhesion strength (Min) Dry condition @ 28 days | 0.5 N/mm2 | 1 N/mm2 |
| 2. Shear Adhesion strength (Min) Dry condition @ 28 days | 1 N/mm2 | 1.5 N/mm2 |

Working property at 70° F (21° C)

Note:- Actual field performance & results will depend on installation method & site/weather conditions.

*For Detailed Technical Specification refer page no. 26 to Page no. 33*

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# Ezy Fix

## SUPER 300

EN 12004:C1T IS 15477:2019 : Type 1

SOMANY Ezy fix Super 300 is a polymer added cement based tile adhesive. It gives excellent bond on cementitious surfaces like concrete and plaster. Somany Ezy Fix Super 300 is specially designed for application for ceramics and vitrified tiles (Internal wall & floor surfaces). This highly flexible adhesive also has an excellet water proofing ability. When properly applied, it takes care of the problem of hollowness.

## APPLICATIONS

- It is suitable for fixing all type of ceramics tiles on interior wall/floor surfaces & small/regular size for vitrified floor tiles.

## FEATURES

- Easy to use
- Suitable for thick bed installation
- High bond strength
- High strength polymer modified adhesive
- Self - curing adhesive
- Water - resistant
- Easy mixing & smooth application
- Single component mixed with water

VOC: Practically Nil




High Strength Polymer Modified

## DIRECTIONS FOR USE




## TECHNICAL SPECIFICATIONS*

| CONSUMPTION COVERAGE |
|---|
| Approx. 55-60 ft. per bag with 1/4"X1/4" (6mmX6mm) square notched trowel for av. Bed of 3mm<br>Coverage depends upon trowel size, type & substrate's evenness & smoothness |
| **SHELF LIFE** |
| 12 months from the date of manufacturing in a dry and sealed condition |
| **PACKING SIZE** |
| 20Kg BOPP bag with liner |

| PARAMETERS | RESULTS |
|---|---|
| Appearance | Gray |
| Bed Thickness | 4-8mm |
| Mixing ratio | 5.5-6 Ltr. water per 20 kg bag (1:3 ratio) in a clean container |
| Mixing Time | 5- 10 Min |
| Open Time | 15 Mins |
| Adjustment Time | 20 Mins |
| Pot life | 2 hrs. |
| Bulk density | 1.4gm/CC |
| Setting Time | 24 hrs. |
| Full Strength | After 28 days |

| PARAMETERS | REQUIRED AS PER IS : 15477-2019 (TYPE-1) | TEST VALUE OBTAINED |
|---|---|---|
| 1. Tensile Adhesion strength (Min) Dry condition @ 28 days | 0.5 N/mm2 | 1.05 N/mm2 |
| 2. Shear Adhesion strength (Min) Dry condition @ 28 days | 1 N/mm2 | 1.5 N/mm2 |

Working property at 70° F (21° C)

Note:- Actual field performance & results will depend on installation method & site/weather conditions.

* For Detailed Technical Specification refer page no. 26 to Page no. 33

SOMANY

# Ezy Fix

## CEMENT POLYMER GROUT

SOMANY Ezy Fix - Cement Polymer Grout is made of white cement, fine graded filler, chemical additives including powder polymers and colour-fast pigments. It is mixed with water or SOMANY Ezy Fix Admix to get additional strength and increase flexibility in tile joints. SOMANY Ezy Fix - Cement Polymer Grout is designed for joint width upto 1-4 mm maximum. It is suitable for grouting ceramics tiles, vitrified tiles, glass mosaics, marble, granite and natural stone.

## APPLICATION

- For grouting interior/ exterior residential and commercial wall & floor surfaces in dry or wet conditions.
- Advice to use with Admixture of 400ml bottle.

## FEATURES

- High Performance Polymer modified grout
- Good Compressive Strength
- Easy to apply & Clean
- Available in Range of Colors
- Smooth & Fine Finish
- Exterior & Interior Use
- Weather Resistant
- No Shrinking & Cracking




High Strength Polymer Based Grout

Note:- Actual field performance & results will depend on installation method & site/weather conditions.



## CONSUMPTION

Consumption depends on size of tiles, joint width and good workmanship.

## TECHNICAL SPECIFICATIONS

| COVERAGE ESTIMATE |
|---|
| $\frac{(A+B)xCxDx1.65}{AxB}$ $\frac{Kg}{M^2}$ |
| A=Legnth of the Tile, B=Breadth of the Tile, C=Thickness of the Tile, D=Space between two tiles, Wet Density=1.65 |
| *Note: All the dimensions are in Millimeter (mm)* |

| STORAGE & SHELF LIFE |
|---|
| 12 months from the date of manufacturing |

| PACKING DETAILS | |
|---|---|
| Packing Details | 1 Kg |

| PARAMETERS | RESULTS |
|---|---|
| Form | Free Flow Powder |
| Color | As per the shade (Presently 30) |
| Mix density | 1.7-2.0 |
| Pot Life | 1 hr to 1.5 hr |
| Curing time | 24 hrs |
| Cleaning tool | With Water immediately after use |
| Tile grout mixing ratio | 300-350 ml water for 1 Kg material |
| Compressive Strength @28 days | 14 MPa |
| Tensile Strength | 1.7 MPa |
| Shelf Life | 12 months from date of manufacturing |

## SHADE COLOURS*

WHITE, IVORY, SILK, BEIGE, LIGHT CAMEL, ANTIQUE WHITE, PINK, PARCHMENT

HEMP, STERLING SILVER, SAGE, AQUA MARINE, PISTA, DARK GREEN, SKY BLUE, ALPINE BLUE

DARK BLUE, GOLDEN YELLOW, SIGNAL RED, GOLDEN BROWN, TERRACOTTA, JAISALMER, RUST, BURGUNDY

COFFEE BROWN, SABLE, SILVER GREY, SLATE GREY, DARK GREY, BLACK

*Actual color may slightly vary from print

# Ezy Fix

## EPOXY / EPOXY (GLITTER) GROUT

SOMANY Ezy Fix - Epoxy Grout is a 3 Component Product, comprising of PART A, PART B and PART C for ease of application and the ability to fill Tiles & Stone joints. It is 100% Solid Epoxy Grout with high resistance to chemical, temperature and stain. It is non-shrinking, non-sagging, fast-curing efflorescence free grout. it is ideal for installation where high strength mold and dew-resistant grout joints are required. It is suitable for grouting ceramic tiles, vitrified tiles, glass mosaics, marble & granite and other natural stone etc. This product is designed for joint width upto 2-12 mm maximum.

## APPLICATIONS

- For interior/exterior residential and commercial floor/wall surface or under water areas such as swimming pools & high traffic areas .

## FEATURES

- Easy to apply
- High Abrasion Resistance
- Acid-Resistant
- Strong & durable
- Temperature-Resistant
- Colours Available: Silver, Gold & Copper
- No Shrinkage and no water seepage
- Stain - free & dirt-proof
- Anti - bacterial- & anti-fungal
- Durable - joints will not crack or peel




**Somany EZY Grout Epoxy comes in below mentioned variants**

- **5 kg** 3 component (Part A-Resin 1.00 kg, Par B: Hardener 0.50 kg & Par C: Filler 3.50 kg).
- **1 kg** 3 component (Part A-Resin 0.20 kg, Par B: Hardener 0.10 kg & Par C: Filler 0.70 kg).
- **1.5 kg** 3 component epoxy- separate Resin & Hardener (Part A: Resin 1.00 kg and Part B: Hardener 0.50 kg).
- **14 kg** Filler separate packaging (4 packets each consisting 3.5 Kg filler packet).
- **5 kg** EZY Fix-DUO Epoxy Grout (5 Nos. Part A: Resin 0.90 kg each and 5 nos. Part B: Hardener 0.10 kg each).

Note:- Actual field performance & results will depend on installation method & site/weather conditions.



## CONSUMPTION

Consumption depends on size of tiles, joint width and good workmanship.

## TECHNICAL SPECIFICATIONS*

| COVERAGE ESTIMATE |
|---|
| $\frac{(A+B)xCxDx1.7}{AxB}$ $\frac{Kg}{M^2}$ |
| A=Legnth of the Tile, B=Breadth of the Tile, C=Thickness of the Tile, D=Space between two tiles, Wet Density=1.7 |
| *Note: All the dimensions are in Millimeter (mm)* |
| **STORAGE & SHELF LIFE** |
| 12 months from the date of manufacturing |

| PACKING DETAILS | | |
|---|---|---|
| Packing Details | 1 Kg | 5 Kg |
| Resin (Part-A) | 0.2 kg | 1 Kg |
| Hardner (Part-B) | 0.1 Kg | 0.5 Kg |
| Filler (Part-C) | 0.7 Kg | 3.5 Kg |

| PARAMETERS | RESULTS |
|---|---|
| Appearance | Part A Liquid resin, Part B Liquid Hardner, Part C filler |
| Pot life | Approx 60 mins. |
| Mixing proportion for 1Kg | Part A 0.2 Kg : Part B 0.1 Kg : Part C 0.7 Kg |
| Setting time | Approx 6-8 hrs |
| Foot traffic | After 24 hrs. |
| Water Absorption | Nill |
| Temperature range for application | 5°C to 50°C |
| Mixing consistency | Creamy Paste |
| Shrinkage | Approx 0% |
| Temperature resistance | Approx 80°C |

## SHADE COLOURS*




*Actual color may slightly vary from print*

* For Detailed Technical Specification refer page no. 26 to Page no. 32

SOMANY

# Ezy Fix

## PU ADHESIVE

EN 12004:R2TE IS 15477:2019 : Type 5

SOMANY PU Adhesive is two component when mixed together give more strength and more flexible Adhesive for Installation of Ceramic, Vitrified, Metal, Glass, Agglomerates glass tile & natural stone on any substrate. SOMANY PU Adhesive water free adhesive are made up of a polyurethane base (component A) and a special
hardener (component B). It is highly elastic, flexible and waterproof, thixotropic & suitable to water sensitive tiles & stones on highly expendable, absorbent & non-absorbent substrates.

## APPLICATIONS

- Indoor and outdoor, bonding of wall and floor ceramic, Vitrified Tiles, Stone Material, Glass, Metal tiles, Reinforced Polyester, Pvc, Wood, Asphalt, Gypsum board.

## FEATURES



- Heavy duty Industrial Adhesive
- Chemical & Heat Resistance
- Gives permanent bond & is durable
- Water, Shock & Vibration Resistance
- Superior bond & easy to apply
- More strength & more flexible




Note:- Actual field performance & results will depend on installation method & site/weather conditions.



## TECHNICAL SPECIFICATIONS*

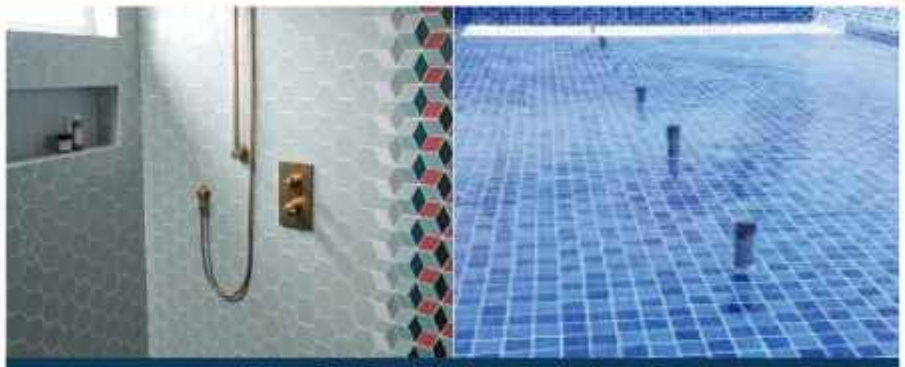
| PARAMETERS | | COMPONENT A | COMPONENT B |
|---|---|---|---|
| Consistency | | Thick paste | Fluid Liquid |
| Colour | | White | Straw transparent |
| Density | | 1.90 | 0.97 |
| Brookfield Viscosity (m-pa.s) | | 1810,918 | 49 |
| Performance Property(at +22°C and 50% R.H) | | | |
| Consistency | | Very viscous | |
| Viscosity (Mixed) | | 1281,118 CPS | |
| Mixing ratio by weight | | Component A: Component B = 15.6: 1 . | |
| Mix density (kg/m3) | | 1732 | |
| Application temperature range | | +10°C To 38°C | |
| Pot life | | 40 Minutes | |
| Setting time | Initial | 3 hr | |
| | final | 6 hr | |
| Light foot traffic | | 24 hr | |
| Ready for use | | 7 days | |

| COVERAGE DETAILS (Per 4 kg PAIL) | | | |
|---|---|---|---|
| Trowel size | Avg. Bed thickness | Mini. coverage | Max. coverage |
| 6mm*6 mm Square Notch(1/4*1/4) | 3 mm | 10 Sq.ft | 12 sq ft |

| PACK OF TWO PARTS CONTAINS 4 KG COMPLIMENTARY | |
|---|---|
| Part A (Filler & Resin) | Part B (Hardener) |
| 3.7 Kg | 300 gm |

**STORAGE & SHELF LIFE**

At least 24 Months from the date of Mfg in original closed packaging.
Note: - Component B (Hardener) must be store in warm place to avoid crystallization during cold weather (at least +10OC). If crystallization occurs re-dissolve by warming before use.



Waterproofing & Tiling in bathroom & swimming pool



Tiling over wooden surface



Stone fix by spot fixing

Meet IS 15477:2019 Meet EN 12004 & ISO 13007 Meet ANSI: A 118.3

SOMANY

# Ezy Fix

## EXTRA STRONG TILE CLEANER

SOMANY Ezy Fix - Tile Cleaner is a fast acting, acid-based powerful cleaner for daily maintenance, which can also be used as general purpose cleaner on acid resistance surface to remove cementitious grout, adhesive residues, hard water deposits and other hard stains from ceramic/vitrified tiles and sanitarywares. It is water soluble and can be diluted upto 1:10 ratio as per requirement.

## APPLICATIONS

- Ceramic tiles/Vitrified Tiles/Granite/Sanitaryware
- Wall & Floor
- Interior & exterior
- Keep out of the reach of children

## FEATURES

- Easy to apply
- No Shrinkage and no water seepage
- Fast action
- Removes efflorescence & oxide stains
- Powerful formula
- Removes cement hard stain
- Kill Germs
- Preserves and maintains tile print/color.




Note:- Actual field performance & results will depend on installation method & site/weather conditions.

## WHERE TO USE

For rapid removal of white yellowish spots/layers over tiles along with cement, oil, grease & wax stains removal from concrete, asbestos, terrazo & ceramics

## HOW TO USE

1. For normal cleaning dilute two caps full of SOMANY Ezy Fix - Tile Cleaner in 4-liter water bucket, then mop the surface gently to get clean & shiny surface.
2. To remove stains, wax, oil, grease, & cement stains use undiluted SOMANY Ezy Fix - Tile Cleaner. Pour it on the effected surface & leave for five minutes. Finally mop it properly to get best results.

SOMANY Ezy Fix - Tile Cleaner is recommended for cleaning Wall tiles, Floor Tiles, Mosaic & Sanitaryware

| COVERAGE |
| --- |
| Coverage depends on the porosity of the surface, stains, dilution ratio etc. |
| **STORAGE & SHELF LIFE** |
| 12 months from the date of manufacturing in a dry and sealed condition. |
| **PACKING SIZE** |
| 01 ltr. |



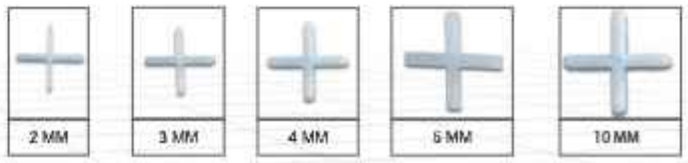






## ALSO AVAILABLE

SOMANY Ezy Fix TILE SPACER




*This is pictorial representation of spacers respective of sizes. Actual sizes & physical dimensions may differ.

SOMANY

# Ezy Fix

## ADMIXTURE

SOMANY Ezy Fix Admixture is a polymer based liquid admixture specially designed for use in combination with Ezy Fix - Cement Polymer Grout. SOMANY Ezy Fix Admixture when used in place of water provides a dense, colour-fast grout. It increases flexibility and high compression strength of cement grout for all types of ceramic tiles, vitrified tiles, glass mosaic tiles, marble, granite and natural stone. It is suitable for use in interior and exterior locations.

## ADVANTAGES

- Improves the flexibility of cement polymer grout
- Improves the strength
- Water resistance
- Easy to Clean
- Resistance to mild acids

## FEATURES

- Easy to clean
- Easy to mix with grout
- Polymer Additive for cement polymer grout
- Color-Fastness



High Performance
Tile Joint Filler Admixture

PACKING SIZE: 400ml
STORAGE & SHELF LIFE: 12 months from the date of manufacturing

Note:- Actual field performance & results will depend on installation method & site/weather conditions.



SOMANY

TILE MASTER

## TILE MASTER KIT

## A COMPLETE RANGE OF WORLD-CLASS TILE LAYING EQUIPMENT



NIPPERS



BUILDING LEVEL



NOTCHED TROWEL: PLASTER GROOVING



RULE SUPPORT



HOLE MARKER



ELECTRIC CUTTER CUM DRILL



TOOL BAG



FLAT CHISEL



WHITE RUBBER HAMMER



TEMPLATE FOR DIAGONAL TILE LAYING



COUNTER GAUGE



SCORING WHEEL 10 MM



JOINT SCRAPER



SAFETY HELMET & T-SHIRT



MANUAL TILE CUTTER



NOTCHED TROWEL



BIG HAMMER



KARNI BIG & SMALL



ABRASIVE BLOCK



PLUMB & ROPE



SAFETY GLASSES



RUBBER TROWEL



PENCIL WITH SHARPNER & MEASURING TAPE



RIGHT ANGLE (GUNIA)



SOMANY

# Ezy Fix

## EZY FIX SEF 888 TECHNICAL DATA

**EN 12004:C2TES1** **IS 15477:2019 : Type 4 TS1**

| STANDARD | PARAMETER | SPECIFICATIONS & STANDARDS | REQUIREMENT | TYPICAL VALUE |
|---|---|---|---|---|
| ANSI A118.4-1999 | Open time | 20 Minutes at 28 days : ANSI A118.4 Clause - 5.3 | >75 psi (0.50 Mpa) | 100 - 130 psi (0.69-0.90 Mpa) |
| | Sag | Sag: ANSI A118.4- Clause 6.0 | <0.02 Inches (0.50 mm) | 0.003 - 0.011 Inches (0.10-0.30 mm) |
| | Glazed wall tile shear strength | 7 Days: ANSI A118.4 - Clause 7.1.2 | > 300psi (2.07 Mpa) | 320-390 psi (2.21-2.69 Mpa) |
| | | 7 Days Water immersion: ANSI A118.4 - Clause 7.1.3 | >200psi (1.38 Mpa) | 220-280 psi (1.52-1.93 Mpa) |
| | Porcelain Mosaic Tile Shear Strength | 1 Day: ANSI A118.4 -Clause 7.2. | >75psi (0.50 Mpa) | 120-180 psi (0.82 - 1.24 Mpa) |
| | | 7 Days: ANSI A118.4 - Clause 7.2.3 | >200psi (1.38 Mpa) | 260 - 350 psi (1.80 - 2.42 Mpa) |
| | | 7 Days Water immersion: ANSI A118.1 - Clause 7.2.4 | >150psi (1.03 Mpa) | 220-275 psi (1.51-1.89 Mpa) |
| | | 28 Days: ANSI A118.4 - Clause 7.2.5 | >200psi (1.38 Mpa) | 305 - 360 psi (2.10-2.48 Mpa) |
| | | 28 Days: W/Freeze-Thaw cycling ANSI A118.4 - Clause 7.2.5 | >175psi (1.20 Mpa) | 270 - 325 psi (1.86-2.23 Mpa) |
| | | 12 Weeks: ANSI A118.4 - Clause 7.2.6 | >200psi (1.38 Mpa) | 300-350 psi (2.06 - 2.42 Mpa) |
| | QUARRY Tile shear strength | 28 Days : ANSI A118.4 - Clause 7.3.2 | >150psi (1.03 Mpa) | 250 - 300 psi (1.72 - 2.06 Mpa) |
| | | 28 Days :W/Freeze-Thaw cycling ANSI A118.4 - Clause 7.3.3 | >100psi (0.69 Mpa) | 210 - 250 psi (1.45 - 1.72 Mpa) |
| EN 12004 & ISO 13007 | Open time | EN 1346 | >0.50 N/mm² | 0.75 - 1.20 N/mm² |
| | Slip Resistance | EN 1308 | <0.50 mm | 0.10-0.20 mm |
| | Tensile adhesion strength | Initial EN 1348 - Clause 8.2 | >1.0 N/mm² | 1.40 - 2.0 N/mm² |
| | | After Water Immersion: EN 1348 - Clause 8.3 | >1.0 N/mm² | 1.50 - 1.85 N/mm² |
| | | Heat Ageing: EN 1348 - Clause 8.4 | >1.0 N/mm² | 1.20 - 1.60 N/mm² |
| | | Freeze- Thaw: EN 1348 - Clause 8.5 | >1.0 N/mm² | 1.80 - 2.00 N/mm² |
| | | Transverse Deformation: EN 12002 | >2.5mm <5.00mm | 2.50 mm - 2.60 mm |
| IS 15477:2019 | Tensile Adhesion | Dry Condition - Annex A (Clause 5.1) | Minimum 1.50 N/mm² | 1.80 - 1.80 N/mm² |
| | | Wet Condition - Annex A (Clause 5.1) | Minimum 1.00 N/mm² | 1.40 - 1.60 N/mm² |
| | Shear Adhesion | Dry Condition - Annex B (Clause 5.2) | Minimum 1.50 N/mm² | 1.80 - 2.00 N/mm² |
| | | Heat ageing- Annex B (Clause 5.2) | Minimum 1.00 N/mm² | 1.20 - 1.40 N/mm² |
| | | Wet Condition - Annex B (Clause 5.2) | Minimum 1.00 N/mm² | 1.40 - 1.60 N/mm² |
| | Slip Resistance | Slip Resistance - Annex E (Clause 5.5) | <0.50 mm | 0.10-0.20 mm |
| | Transverse Deformation | Transverse Deformation: (Clause 5.6) | >2.5mm <5.00mm | 2.50 mm - 2.80 mm |

SOMANY

Ezy Fix

# EZY FIX SEF 777/ GLASS MOSAIC ADHESIVE TECHNICAL DATA

**EN 12004:C2TES1** **IS 15477:2019 : Type 3 TS1**

| STANDARD | PARAMETER | SPECIFICATIONS & STANDARDS | REQUIREMENT | TYPICAL VALUE |
|---|---|---|---|---|
| ANSI A118.4-1999 | Open time | 20 Minutes at 28 days : ANSI A118.4 Clause – 5.3 | >75 psi (0.50 Mpa) | 100 – 130 psi (0.69–0.90 Mpa) |
| | Sag | Sag: ANSI A118.4- Clause 6.0 | <0.02 Inches (0.50 mm) | 0.003 – 0.011 Inches (0.10–0.30 mm) |
| | Glazed wall tile shear strength | 7 Days: ANSI A118.4 – Clause 7.1.2 | > 300psi (2.07 Mpa) | 320–390 psi (2.21–2.69 Mpa) |
| | | 7 Days Water immersion: ANSI A118.4- Clause 7.1.3 | >200psi (1.38Mpa) | 220–280 psi (1.52–1.93 Mpa) |
| | Porcelain Mosaic Tile Shear Strength | 1 Day: ANSI A118.4 –Clause 7.2.2 | >75psi (0.50Mpa) | 120–180 psi (0.83 – 1.24 Mpa) |
| | | 7 Days: ANSI A118.4 – Clause 7.2.3 | >200psi (1.38Mpa) | 260 – 350 psi (1.80 – 2.42 Mpa) |
| | | 7 Days Water immersion: ANSI A118.1 – Clause 7.2.4 | >150psi (1.03Mpa) | 220–275 psi (1.51–1.89 Mpa) |
| | | 28 Days: ANSI A118.4 – Clause 7.2.5 | >200psi (1.38Mpa) | 305 – 360 psi (2.10–2.49Mpa) |
| | | 28 Days: W/Freeze-Thaw cycling ANSI A118.4 – Clause 7.2.5 | >175psi (1.20Mpa) | 270 – 325 psi ( 1.86–2.23Mpa) |
| | | 12 Weeks: ANSI A118.4 – Clause 7.2.6 | >200psi (1.38Mpa) | 300–350 psi (2.06– 2.42 Mpa) |
| | QUARRY Tile shear strength | 28 Days : ANSI A118.4 – Clause 7.3.2 | >150psi (1.03Mpa) | 250 – 300 psi (1.72– 2.06 Mpa) |
| | | 28 Days: W/Freeze-Thaw cycling ANSI A118.4 – Clause 7.3.3 | >100psi (0.69Mpa) | 210 –250 psi (1.45– 1.72 Mpa) |
| EN 12004 & ISO 13007 | Open time | EN 1348 | >0.50 N/mm² | 0.75 – 1.20 N/mm² |
| | Slip Resistance | EN 1308 | <0.50 mm | 0.10–0.20 mm |
| | Tensile adhesion strength | Initial EN 1348 – Clause 8.2 | >1.0 N/mm² | 1.40 – 2.0 N/mm² |
| | | After Water Immersion : EN 1348 – Clause 8.3 | >1.0 N/mm² | 1.50– 1.85 N/mm² |
| | | Heat Ageing: EN 1348 – Clause 8.4 | >1.0 N/mm² | 1.20– 1.60 N/mm² |
| | | Freeze- Thaw: EN 1348 – Clause 8.5 | >1.0 N/mm² | 1.90 – 2.00 N/mm² |
| | | Transverse Deformation: EN12002 | >2.5mm <5.00mm | 2.50 mm – 2.60 mm |
| IS 15477:2019 | Tensile Adhesion | Dry Condition – Annex A (Clause 5.1) | Minimum 1.50 N/mm² | 1.70 – 1.90 N/mm² |
| | | Wet Condition – Annex A (Clause 5.1) | Minimum 1.00 N/mm² | 1.30– 1.50 N/mm² |
| | Shear Adhesion | Dry Condition – Annex B (Clause 5.2) | Minimum 1.50 N/mm² | 1.88 – 2.00 N/mm² |
| | | Heat ageing- Annex B (Clause 5.2) | Minimum 1.00 N/mm² | 1.20– 1.30 N/mm² |
| | | Wet Condition – Annex B (Clause 5.2) | Minimum 1.00 N/mm² | 1.25– 1.50 N/mm² |
| | Slip Resistance | Slip Resistance – Annex E (Clause 5.5) | <0.50 mm | 0.10–0.20 mm |
| | Transverse Deformation | Transverse Deformation: (Clause 5.6) | >2.5mm <5.00mm | 2.50 mm – 2.55 mm |



SOMANY

Ezy Fix

# EZY FIX SEF 666 ADHESIVE TECHNICAL DATA

**EN 12004:C1TE** **IS 15477:2019 : Type 2**

| STANDARD | PARAMETER | SPECIFICATIONS & STANDARDS | REQUIREMENT | TYPICAL VALUE |
|---|---|---|---|---|
| ANSI A118.1-1999 | Open time | 20 Minutes at 28 days: ANSI A118.1 Clause – 5.3 | >75 psi (0.50 Mpa) | 100 – 120 psi (0.69–0.82 Mpa) |
| | Sag | Sag: ANSI A118.1- Clause 6.0 | <0.02 Inches (0.50 mm) | 0.003 – 0.015 Inches (0.10– 0.40 mm) |
| | Glazed wall tile shear strength | 7 Days: ANSI A118.1 –Clause 7.1.2 | > 200 psi (1.38Mpa) | 225–280 psi (1.55–1.93 Mpa) |
| | | 7 Days Water immersion: ANSI A118.1- Clause 7.1.3 | >150psi (1.03Mpa) | 185–250 psi (1.28–1.73 Mpa) |
| | Porcelain Mosaic Tile Shear Strength | 1 Day: ANSI A118.1 – Clause 7.2.2 | >50psi (0.34Mpa) | 100–150 psi (0.68 – 1.03 Mpa) |
| | | 7 Days: ANSI A118.1 – Clause 7.2.3 | >150psi (1.03Mpa) | 210–250 psi (1.45–1.73 Mpa) |
| | | 7 Days Water immersion: ANSI A118.1 – Clause 7.2.4 | >100psi (0.69Mpa) | 150–200 psi 1.03 – 1.37 Mpa |
| | | 28 Days: ANSI A118.1 – Clause 7.2.5 | >150psi (1.03Mpa) | 200–250 psi (1.37– 1.72 Mpa) |
| | | 12 Weeks: ANSI A118.1 – Clause 7.2.6 | >150psi (1.03Mpa) | 200–250 psi (1.38 – 1.73 Mpa) |
| EN 12004 & ISO 13007 | Open time | EN 1348 | >0.50 N/mm² | 0.70 – 0.80 N/mm² |
| | Slip Resistance | EN 1308 | <0.50 mm | 0.20–0.40 mm |
| | Tensile adhesion strength | Initial EN 1348 – Clause 8.2 | >0.50 N/mm² | 0.70 – 1.00 N/mm² |
| | | After Water Immersion : EN 1348 – Clause 8.3 | >0.50 N/mm² | 0.75– 1.10 N/mm² |
| | | Heat Ageing: EN 1348 – Clause 8.4 | >0.50 N/mm² | 0.85– 1.00 N/mm² |
| | | Freeze- Thaw: EN 1348 – Clause 8.5 | >0.50 N/mm² | 0.60 – 1.00 N/mm² |
| IS 15477:2019 | Tensile Adhesion | Dry Condition – Annex A (Clause 5.1) | Minimum 1.00 N/mm² | 1.15 – 1.25 N/mm² |
| | | Wet Condition – Annex A (Clause 5.1) | Minimum 1.00 N/mm² | 1.15– 1.25 N/mm² |
| | Shear Adhesion | Dry Condition – Annex B (Clause 5.2) | Minimum 1.25 N/mm² | 1.40 – 1.50 N/mm² |
| | | Heat ageing- Annex B (Clause 5.2) | Minimum 1.00 N/mm² | 1.10– 1.20 N/mm² |
| | | Wet Condition – Annex A (Clause 5.2) | Minimum 1.00 N/mm² | 1.10– 1.20 N/mm² |
| | Slip Resistance | Slip Resistance – Annex E (Clause 5.5) | <0.50 mm | 0.15–0.25 mm |

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Ezy Fix

# EZY FIX SEF 555 ADHESIVE TECHNICAL DATA

EN 12004:C1T IS 15477:2019 : Type 1

| STANDARD | PARAMETER | SPECIFICATIONS & STANDARDS | REQUIREMENT | TYPICAL VALUE |
|---|---|---|---|---|
| ANSI A118.1-1999 | Open time | 20 Minutes at 28 days: ANSI A118.1 Clause – 5.3 | >75 psi (0.50 Mpa) | 100–150 psi (0.69–1.04 Mpa) |
| | Sag | Sag: ANSI A118.1-Clause 6.0 | <0.02 Inches (0.50 mm) | 0.011 – 0.015 Inches (0.30- 0.40 mm) |
| | Glazed wall tile shear strength | 7 Days: ANSI A118.1 – Clause 7.1.2 | > 200psi (1.38Mpa) | 210- 275 psi (1.45- 1.90 Mpa) |
| | | 7 Days Water immersion: ANSI A118.1- Clause 7.1.3 | >150psi (1.03Mpa) | 150- 180 psi (1.03- 1.24 Mpa) |
| | Porcelain Mosaic Tile Shear Strength | 1 Day: ANSI A118.1 – Clause 7.2.2 | >50psi (0.34Mpa) | 50 - 80 psi (0.34- 0.55 Mpa) |
| | | 7 Days: ANSI A118.1 – Clause 7.2.3 | >150psi (1.03Mpa) | 150- 180 psi (1.03- 1.24Mpa) |
| | | 7 Days Water immersion: ANSI A118.1 – Clause 7.2.4 | >100psi (0.69Mpa) | 120- 150 psi (0.83- 1.03 Mpa) |
| | | 28 Days: ANSI A118.1 – Clause 7.2.5 | >150psi (1.03Mpa) | 150- 175 psi (1.03- 1.20 Mpa) |
| | | 12 Weeks: ANSI A118.1 – Clause 7.2.6 | >150psi (1.03Mpa) | 150- 175 psi (1.03- 1.20 Mpa) |
| EN 12004 & ISO 13007 | Open time | EN 1348 | >0.50 N/mm² | 0.65 – 0.70 N/mm² |
| | Slip Resistance | EN 1308 | <0.50 mm | 0.10- 0.30 mm |
| | Tensile adhesion strength | Initial: EN 1348 – Clause 8.2 | >0.50 N/mm² | 0.50 – 0.60 N/mm² |
| | | After Water Immersion: EN 1348 - Clause 8.3 | >0.50 N/mm² | 0.50 – 0.60 N/mm² |
| | | Heat Ageing: EN 1348 – Clause 8.4 | >0.50 N/mm² | 0.50 – 0.60 N/mm² |
| | | Freeze- Thaw: EN 1348 – Clause 8.5 | >0.50 N/mm² | 0.50 – 0.60 N/mm² |
| IS 15477:2019 | Tensile Adhesion | Dry Condition – Annex A (Clause 5.1) | Minimum 0.50 N/mm² | 0.60 – 0.80 N/mm² |
| | Shear Adhesion | Dry Condition – Annex B (Clause 5.2) | Minimum 1.00 N/mm² | 1.10 – 1.20 N/mm² |
| | Slip Resistance | Slip Resistance – Annex E (Clause 5.5) | <0.50 mm | 0.25- 0.30 mm |

SOMANY

Ezy Fix

# EZY FIX SEF 444 ADHESIVE TECHNICAL DATA

EN 12004:C1T IS 15477:2019 : Type 2

| STANDARD | PARAMETER | SPECIFICATIONS & STANDARDS | REQUIREMENT | TYPICAL VALUE |
|---|---|---|---|---|
| ANSI A118.1-1999 | Open time | 20 Minutes at 28 days: ANSI A118.1 Clause – 5.3 | >75 psi (0.50 Mpa) | 100–120 psi (0.69 - 0.82 Mpa) |
| | Sag | Sag: ANSI A118.1-Clause 6.0 | <0.02 Inches (0.50 mm) | 0.003 – 0.015 Inches (0.10- 0.40 mm) |
| | Glazed wall tile shear strength | 7 Days: ANSI A118.1 – Clause 7.1.2 | > 200 psi (1.38Mpa) | 225- 280 psi (1.55- 1.93 Mpa) |
| | | 7 Days Water immersion: ANSI A118.1- Clause 7.1.3 | >150psi (1.03Mpa) | 185- 250 psi (1.28- 1.73 Mpa) |
| | Porcelain Mosaic Tile Shear Strength | 1 Day: ANSI A118.1 – Clause 7.2.2 | >50psi (0.34Mpa) | 100- 150 psi (0.68 – 1.03 Mpa) |
| | | 7 Days: ANSI A118.1 – Clause 7.2.3 | >150psi (1.03Mpa) | 210- 250 psi (1.45- 1.73 Mpa) |
| | | 7 Days Water immersion: ANSI A118.1 – Clause 7.2.4 | >100psi (0.69Mpa) | 150- 200 psi (1.03 – 1.37 Mpa) |
| | | 28 Days: ANSI A118.1 – Clause 7.2.5 | >150psi (1.03Mpa) | 200- 250 psi (1.37- 1.72 Mpa) |
| | | 12 Weeks: ANSI A118.1 – Clause 7.2.6 | >150psi (1.03Mpa) | 200- 250 psi (1.38 – 1.73 Mpa) |
| EN 12004 & ISO 13007 | Open time | EN 1348 | >0.50 N/mm² | 0.70 – 0.80 N/mm² |
| | Slip Resistance | EN 1308 | <0.50 mm | 0.20- 0.40 mm |
| | Tensile adhesion strength | Initial: EN 1348 – Clause 8.2 | >0.50 N/mm² | 0.70 – 1.00 N/mm² |
| | | After Water Immersion: EN 1348 - Clause 8.3 | >0.50 N/mm² | 0.75 - 1.10 N/mm² |
| | | Heat Ageing: EN 1348 – Clause 8.4 | >0.50 N/mm² | 0.85– 1.00 N/mm² |
| | | Freeze- Thaw: EN 1348 – Clause 8.5 | >0.50 N/mm² | 0.80 – 1.00 N/mm² |
| IS 15477:2019 | Tensile Adhesion | Dry Condition – Annex A (Clause 5.1) | Minimum 1.00 N/mm² | 1.15 – 1.25 N/mm² |
| | | Wet Condition – Annex A (Clause 5.1) | Minimum 1.00 N/mm² | 1.15– 1.25 N/mm² |
| | Shear Adhesion | Dry Condition – Annex B (Clause 5.2) | Minimum 1.25 N/mm² | 1.40 – 1.50 N/mm² |
| | | Heat ageing- Annex B (Clause 5.2) | Minimum 1.00 N/mm² | 1.10 – 1.20 N/mm² |
| | | Wet Condition – Annex A (Clause 5.2) | Minimum 1.00 N/mm² | 1.10– 1.20 N/mm² |
| | Slip Resistance | Slip Resistance – Annex E (Clause 5.5) | <0.50 mm | 0.15- 0.25 mm |

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Ezy Fix

# EZY FIX SEF 333 ADHESIVE TECHNICAL DATA

EN 12004:C1T IS 15477:2019 : Type 1

| STANDARD | PARAMETER | SPECIFICATIONS & STANDARDS | REQUIREMENT | TYPICAL VALUE |
|---|---|---|---|---|
| ANSI A118.1-1999 | Open time | 20 Minutes at 28 days: ANSI A118.1 Clause – 5.3 | >75 psi (0.50 Mpa) | 100 – 150 psi (0.69-1.04 Mpa) |
| | Sag | Sag: ANSI A118.1- Clause 6.0 | <0.02 Inches (0.50 mm) | 0.011 – 0.015 Inches (0.30- 0.40 mm) |
| | Glazed wall tile shear strength | 7 Days: ANSI A118.1 – Clause 7.1.2 | 200psi (1.38Mpa) | 210- 275 psi (1.45- 1.90 Mpa) |
| | | 7 Days Water immersion: ANSI A118.1- Clause 7.1.3 | >150psi (1.03Mpa) | 150- 180 psi (1.03 Mpa- 1.24 Mpa) |
| | Porcelain Mosaic Tile Shear Strength | 1 Day: ANSI A118.1 – Clause 7.2.2 | >50psi (0.34Mpa) | 50 - 80 psi (0.34 Mpa- 0.55 Mpa) |
| | | 7 Days: ANSI A118.1 – Clause 7.2.3 | >150psi (1.03Mpa) | 150- 180 psi (1.03 Mpa- 1.24 Mpa) |
| | | 7 Days Water immersion: ANSI A118.1 – Clause 7.2.4 | >100psi (0.69Mpa) | 120- 150 psi (0.83 Mpa- 1.03 Mpa) |
| | | 28 Days: ANSI A118.1 – Clause 7.2.5 | >150psi (1.03Mpa) | 150- 175 psi (1.03 Mpa- 1.20 Mpa) |
| | | 12 Weeks: ANSI A118.1 – Clause 7.2.6 | >150psi (1.03Mpa) | 150- 175 psi (1.03 Mpa- 1.20 Mpa) |
| EN 12004 & ISO 13007 | Open time | EN 1348 | >0.50 N/mm² | 0.65 – 0.70 N/mm² |
| | Slip Resistance | EN 1308 | <0.50 mm | 0.10- 0.30 mm |
| | Tensile adhesion strength | Initial EN 1348 – Clause 8.2 | >0.50 N/mm² | 0.50 – 0.60 N/mm² |
| | | After Water Immersion : EN 1348 – Clause 8.3 | >0.50 N/mm² | 0.50 – 0.60 N/mm² |
| | | Heat Ageing: EN 1348 – Clause 8.4 | >0.50 N/mm² | 0.50 – 0.60 N/mm² |
| | | Freeze- Thaw: EN 1348 – Clause 8.5 | >0.50 N/mm² | 0.50 – 0.60 N/mm² |
| IS 15477:2019 | Tensile Adhesion | Dry Condition – Annex A (Clause 5.1) | Minimum 0.50 N/mm² | 0.60 – 0.80 N/mm² |
| | Shear Adhesion | Dry Condition – Annex B (Clause 5.2) | Minimum 1.00 N/mm² | 1.10 – 1.20 N/mm² |
| | Slip Resistance | Slip Resistance – Annex E (Clause 5.5) | <0.50 mm | 0.25- 0.30 mm |



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Ezy Fix

# EZY FIX - EPOXY GROUT TECHNICAL DATA

Meet ANSI A 118.3 , ISO 13007/EN

| TECHNICAL DATA |
|---|
| Performance Property : Ezy Fix – Epoxy Grout Joint Filler is three conveniently packed component Hardener (Part A) Resin (Part B) Filler Powder (Part C ) Mixing Ratio 1:2:7 . |
| Application Standards : Meet ANSI A 118.3, EN 12004 & ISO 13007. |

| ANSI Data | | |
|---|---|---|
| TEST METHOD | REQUIREMENT | TYPICAL VALUES |
| Water Cleanability ANSI A118.3: Clause 5.1 | >80 Minutes | 85 – 115 Minutes |
| Initial Setting Time ANSI A118.3: Clause 5.2 | >120 Minutes | 210 – 265 Minutes |
| Service Setting Time ANSI A118.3: Clause 5.3 | < 7 Days | 50 hr – 72 hr |
| Shrinkage after 7 days : ANSI A118.3 Clause 5.3 | <0.25% | < 0.9% |
| Sag in Vertical Joints ANSI A 118.3 Clause 5.4 | No change in shape of joints | Pass/No change in shape of joints |
| Bond Strength to Quarry Tiles ANSI A 118.3 Clause 5.5 | >1000 psi (6.87 Mpa) | 1150 psi (7.92 Mpa) |
| Compressive Strength after 7 day ANSI A 118.3 Clause 5.6 | >3500psi (24.08Mps) | 7400-8000 Psi (51.02 - 55.16 Mpa) |
| Tensile Strength after 7 days: ANSI A118.3 Clause 5.7 | > 1000 psi(6.87 Mpa) | 2400-2650 psi (16.54 -18.27 Mpa) |
| Thermal Stock ANSI A118.3 Clause 5.8 | >500psi (3.43 Mpa) | 950-1050 psi (6.55 -7.23 Mpa) |

The grout mortar confirms to ANSI A 118.3

| ISO / EN Data | | |
|---|---|---|
| Property / Test Method | Requirement | Typical Values |
| Abrasion resistance: ISO 13007- 4: Clause 4.4; EN 12808 - 2 | < 250 | Pass |
| Flexural strength under standard conditions: ISO 13007 - 4: Clause 4.1.3; EN 12808 - 3 | > 30 N / mm² | 36 - 38 N / mm² |
| Compressive Strength under standard conditions: ISO 13007 - 4: Clause 4.1.4; EN 12808 - 4 | > 45 N / mm² | 50 - 52 N / mm² |
| Shrinkage: ISO 13007 - 4: Clause 4.3 : EN 12808 - 4 | < 1.5mm / m | 0.5 - 0.7 mm /m |
| Water Absorption after 240 Minutes: ISO 13007 - 4: Clause 4.2; EN 12808 - 5 | <0.1 g | 0.014 - 0.035 g |
| Chemical Resistance | See Chemical resistance chart | |

The grout mortar conforms to ISO 13007 – 4 / EN 12808

## TECHNICAL DATA

| 1. Household / Food Stuff Solutions | | | | |
|---|---|---|---|---|
| Chemical | Concentration | PE | IE | SE |
| Coffee | NA | VG | VG | VG |
| Milk | NA | VG | VG | VG |
| Vinegar | NA | VG | VG | VG |
| Citrus Juice / Sauce | NA | P | G | VG |
| Butter | NA | VG | VG | VG |
| Beer | NA | VG | VG | VG |
| Sugar / Glucose | NA | VG | VG | VG |
| Vegetable Oil | NA | VG | VG | VG |
| Coke | NA | VG | VG | VG |

*PE: Prolonged Exposure; IE: Intermittent Exposure; SE: Splash Exposure; P: Poor; G: Good; VG: Very Good; Long exposure will cause colour change*

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# Ezy Fix

## EZY FIX - EPOXY GROUT TECHNICAL DATA

| 2. Base and Salt Solutions | | | | |
|---|---|---|---|---|
| **Chemical** | **Concentration** | **PE** | **IE** | **SE** |
| Sodium Hydroxide | 50% | VG | VG | VG |
| Ammonia Solution | 25% | VG | VG | VG |
| Baking Soda | 20% | VG | VG | VG |
| Hydro chloride Solution | 4% | P | G | VG |
| Potassium Permanganate | 1% | VG | VG | VG |
| | 10% | P | P | VG |
| Calcium Chloride | 10% | VG | VG | VG |
| Hydrogen Peroxide | 1% | VG | VG | VG |
| | 10% | VG | VG | VG |

*PE: Prolonged Exposure; IE: Intermittent Exposure; SE: Splash Exposure; P: Poor; G: Good; VG: Very Good; Long exposure will cause colour change*

| 3. Acid Based Chemicals | | | | |
|---|---|---|---|---|
| **Chemical** | **Concentration** | **PE** | **IE** | **SE** |
| Acetic Acid ($CH_3COOH$) | 2.5% | VG | VG | VG |
| | 5.0% | G | VG | VG |
| Hydrogen Chloride (HCL) | 10.0% | VG | VG | VG |
| Sulphuric Acid ($H_2SO_4$) | 20.0% | VG | VG | VG |
| | 50.0% | P | G | G |
| Formic Acid (HCOOH) | 2.5% | VG | VG | VG |
| | 10.0% | P | P | P |
| Nitric Acid | 10.0% | P | G | VG |
| Citric Acid | 10.0% | VG | VG | VG |
| Tartaric Acid | 50.0% | VG | VG | VG |
| Tannic Acid | 50.0% | VG | VG | VG |
| Benzoic Acid | 5.0% | VG | VG | VG |
| Oxalic Acid | 10.0% | VG | VG | VG |

*PE: Prolonged Exposure; IE: Intermittent Exposure; SE: Splash Exposure; P: Poor; G: Good; VG: Very Good; Long exposure will cause colour change*

| 4. Solvents & Combustible Solutions | | | | |
|---|---|---|---|---|
| **Chemical** | **Concentration** | **PE** | **IE** | **SE** |
| Chloroform | NA | P | P | P |
| Carbon Tetra Chloride | NA | P | P | G |
| Methylene Chloride | NA | P | P | P |
| Toluene | NA | P | P | G |
| Xylene | NA | P | P | G |
| Butyl Acetate | NA | P | P | VG |
| Ethanol | NA | P | G | VG |
| Acetone | NA | P | G | G |
| Ethylene Glycol | NA | VG | VG | VG |
| MEK | NA | P | P | VG |
| Glycerol | NA | VG | VG | VG |

*PE: Prolonged Exposure; IE: Intermittent Exposure; SE: Splash Exposure; P: Poor; G: Good; VG: Very Good; Long exposure will cause colour change*

| Working Property at 71° c (21° C) | |
|---|---|
| **Pot Life** | **50 mins.** |
| **Foot Traffic** | **24 hrs.** |
| **Heavy Traffic** | **72 hrs.** |



# NOTES