



ARMSTRONG CHEMICALS PVT. LTD.,
Bengaluru
An ISO 9001 Certified Company



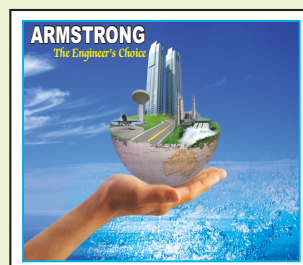
High Performance Polymer Modified Floor & Wall thin set Tile Adhesive
Polymer modified for fixing ceramic tiles, Vitrified tiles and stones on interior floor, wall and external floors.
(Complies with ANSI A118.4 ET; EN 12004 as C2 TE & ; IS 15477:2019)

DESCRIPTION OF THE PRODUCT :

Polymer modified adhesive for fixing ceramic tiles, Vitrified tiles and stones on interior floor, Wall and external floors.

APPLICATION :

Specially designed for interior floor installations of all types of ceramic tile, Vitrified tile, precast terrazzo and natural stones over concrete and on a variety of cement-based substrates. Ideal for Tile-on-tile and Bathroom tiling. Can be used upto a maximum 12mm bed thickness.



FETURES & BENEFITS :

- Single component, just add water and apply.
- Exceeds IS 15477 : 2019 – Type 2 T Adhesive.
- Can be mixed with Tixel URP admix 73 for use on external wall area.
- Bonds to various substrates.
- Economical & Easy to use.
- Exceeds ANSI A 118.4 shear bond strength requirements.

SUBSTRATES :

- Brick masonry
- Concrete Masonry
- Cement Terrazzo
- Existing Vitrified Tile & ceramic tile
- Cement plaster
- Concrete
- Existing Natural stone

TECHNICAL DATA :

Performance Properties : TILEX 351 plus Mixed with water.

Meets ANSI Standards		
Property : Test Method	Requirement	Typical Values
Open time (30Minutes at 28 days) ANSI A118.4 Caluse-5.3	> 75 psi (0.50 Mpa)	120 psi - 140 psi (0.82 - 0.96 Mpa)
Sag : ANSI A118.4 - Clause 6.0	>/- 0.02 Inches (0.50mm)	0.012 - 0.016 inches (0.30 - 0.40 mm)
Glazed Wall tile Shear Strength		
7 Days ANSI A118.4 - Clause 7.1.2	> 300 psi (20.17 Mpa)	325 - 350 psi (2.23 Mpa - 2.40 Mpa)
7 Days water immersion : ANSI A118.4 - Clause 7.1.3	> 200 psi (1.38 Mpa)	225 - 250 psi (1.54 Mpa - 1.72 Mpa)
Porcelain Mosaic tile Shear Strength		
1 Day : ANSI A118.4 - Clause 7.2.2	> 75 psi (0.50 Mpa)	125 - 175 Psi (0.86 Mpa - 1.20 Mpa)
7 Days : ANSI A118.4 - Clause 7.2.3	> 200 psi (1.38 Mpa)	250 - 275 Mps (1.72 Mpa - 1.89 Mpa)
7 Days water immersion : ANSI A118.4 - Clause 7.2.4	> 150 psi (1.03 Mpa)	200 - 250 Psi (1.37 Mpa - 1.72 Mpa)
28 Days : ANSI A118.4 - Clause 7.2.5	> 200 psi (1.38 Mpa)	250 - 300 Psi (1.72 Mpa - 2.062 Mpa)
28 Days Freeze - thaw Cycling ANSI A118.4 - Clause 7.2.5	> 175 psi (1.20 Mpa)	225 - 275 Psi (1.54 Mpa - 1.89 Mpa)
12 Weeks : ANSI A118.4 - Clause 7.2.7	> 200 psi (1.38 Mpa)	250 - 300 Psi (1.72 Mpa - 2.06 Mpa)

Quarry Tile Shear Strength

Property : Test Method	Requirement	Typical Values
28 Days : ANSI A118.4 - Clause 7.3.2	> 150 psi (1.03 Mpa)	200 - 250 psi (1.37 - 1.72 Mpa)
28 Days : Freeze - thaw Cycling ANSI A118.4 - Clause 7.3.3	< 100 inches (0.69 Mpa)	150 - 200 psi (1.03 Mpa - 1.37 Mpa)

SURFACE PREPARATION :

SUBSTRATE QUALITY : Surface should be structurally sound, clean and free of all dirt, oil, grease, laitance, Concrete sealers or curing compounds.

Check the surface to be true to plumb. Rough or uneven concrete surface should be made smooth with TILEX 351 plus Screed/Plaster material to provide a better finish. Concrete slabs or masonry should be dampened, and excess water swept off, Slab must be Cured and 28* days old before application.

No minimum cure time for concrete slabs when thin-set mortar is mixed with Tilex URP Admix. Expansion joints shall be provided through the tile work from all construction or expansion joints with thin set mortar. Follow ANSI specification AN-3.8EJ171 "Expansion Joints".

MIXING :

Place clean, potable water into a clean mixing bowl. Add TILEX 351 plus, powder into the mixing bowl. Use approximately 5.5 -6L of water for 20kg of powder. Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. Allow adhesive to slake for 5 minutes. Adjust consistency if necessary. Remix and apply with the proper sized notched trowel.

NOTE : Addition of TILEX URPAmix 73, partially or completely replacing water would enhance the bond strength, flexibility of the thin set mortar.

● Contact ARMSTRONG CHEMICALS technical services for large format tile or stone installations on exterior surface.

Working Properties at 70° F (21°)

TILEX 351 plus Adhesive Mixed With Water

Open Time	30 minutes
Time to Heavy Traffic	16-24 hours
Pot Life	3-4 hours
Adjustment time	30 minutes

COVERAGE : Approx. 55-60 Sft per 20kg bag with 1/4 " x 1/4 " (6mm x 6mm) square notched trowel for average bed 3mm.

PACKING : 20 & 40 Kgs.

STORAGE & SHELF LIFE

The product has shelf life of twelve months from the date of manufacturing, if stores in original packing and temperature between 10°C to 30°C.

Whilst **ARMSTRONG CHEMICALS PVT LTD** strives to ensure that any advice, information or recommendation given are appropriate and correct. It cannot accept any liability directly or indirectly arising out of the use of products since the method and place of application of the products are beyond its control.



Manufacturers :
ARMSTRONG CHEMICALS PVT. LTD.

An ISO 9001 Certified Company



Regd. Off : 36/1, G-5, New International Airport Road, Ganga Nagar, BENGALURU - 560 032.
e-mail : armstrongchemicals@gmail.com; **Web :** www.acpl.live | www.armstrongchemicals.in

Please Contact for Customer Care Information : **08095621122** Toll Free No. **1800 103 2034**

Authorised Distributor / Stockist

ARMSTRONG CHEMICALS
TRUSTED AND ACCLAIMED FOR ITS
MULTIPLE ACTION PERFORMANCE

