

OVERVIEW & BENEFITS:

Tenax Elix is a high-performance epoxy system formulated for bonding, filling, and repairing natural and engineered stone. It offers superior adhesion, excellent chemical and mechanical resistance, and low shrinkage for dimensional stability. Fast curing and color-matching options ensure precise, durable applications for both indoor and outdoor environments.



KEY FEATURES:



Extra-Clear Transparency

Maintains the natural appearance of stone.



Tinting Capability

Can be colored to match different stone shades.



Durable & Weather-Resistant

Withstands environmental factors over time.



Strong Adhesion

Bonds securely with marble, granite, quartz, and engineered stone.



Food Contact Approved

Safe for kitchen countertops and dining surfaces.

APPLICATION PROCESS:

Surface Preparation

- Ensure the marble surface is dry, clean, and free from dust or grease for optimal adhesion.

Mixing for Proper Consistency

- Combine Part A (Resin) and Part B (Hardener) in a 2:1 ratio by weight. Mix thoroughly until you achieve a smooth, uniform consistency. The right proportion ensures proper curing
- If color adjustment is needed, add a small amount of tinter to the mastic before mixing in the hardener. For best result use Tenax colorant.

Application Technique

- Use a spatula or knife to spread the mastic evenly across the surface. Avoid air pockets to ensure strong bonding.

Curing & Final Finishing

- Allow the glue to harden naturally before polishing. This helps maintain durability and seamless joints.
- Once cured, polish the surface to blend with the marble's natural texture.

TECHNICAL DATA:

Property	Value
Viscosity at 25°C PART A	Thixotropic paste
Viscosity at 25°C PART B	Thixotropic paste
Density at 25°C (g/cm ³) PART A	1.2
Density at 25°C (g/cm ³) PART B	1.1
Appearance (Part A)	Transparent paste
Appearance (Part B - Hardener)	Transparent paste
Mixing Ratio (Mastic: Hardener)	100: 50 by weight
Gel time (bulk) at 25°C (min)	10-15

Tacky free in thin layer at 25°C	~3h - 3h 30min
Working time suggested at 25°C	24 Hrs
Yellowing test in climatic chamber Qsun, (ASTM D904), 1 year of outdoor conditions, light + rain+ thermal shock	Very low
Hardness in Shore D ASTM D 2240	>70
Tensile Test ASTM D638	
Tensile strength (kg/cm ²)	>100
Adhesion Test ASTM D4541	
Adhesion force at 25°C on botticino marble after 24 hours (N/mm ²)	>10

RECOMMENDED USAGE:

Tenax Elix is compatible with a wide range of natural and engineered stones, including:



Marble

Ideal for repairs and bonding, maintaining its elegant finish.



Granite

Strong adhesion for filling gaps and ensuring seamless bonding.



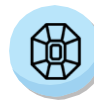
Quartz

Works well with both natural and engineered quartz surfaces.



Travertine

Perfect for filling porous structures without altering appearance.



Onyx

Extra-clear formulation maintains its translucent beauty.



Engineered Stone

Compatible with various synthetic stone surfaces.

COVERAGE:

Application type	Coverage Per Kg
Stone joint filing	150-200 running ft.

Note: Coverage may vary depending on joint size and stone thickness. For accurate estimation, consider the dimensions of the joints and the type of stone being used.

AVAILABLE SKU:

1.5 Kg, 2.25 Kg.

DO'S AND DON'TS:

Category	Do's	Don'ts
Application Area	Use for bonding and filling natural stones, marbles, and granites.	Don't use on non-porous or synthetic surfaces without prior testing.
Surface Prep	Ensure the surface is clean, dry, and free from dust or grease.	Don't apply on wet or contaminated surfaces.
Mixing ratio	Adhere the correct mixing ratio by weight for best result.	Don't add excess or less hardener quantities while mixing. Incorrect hardener quantity causes poor bonding.
Usage	Mix thoroughly before use for uniform color and consistency.	Don't apply excessive quantities or allow pooling.
Drying	Allow proper curing time.	Don't expose to water or heavy load before full curing.
Testing	Perform a patch test on a small area before full application.	Don't skip testing on sensitive or decorative stones.

SHELF LIFE:

The product will last at least 24 Months in the normal condition between 18-25°C, kept away from source of heat, humidity and sun light.



Pidilite Industries Limited, Ramkrishna Mandir Road, P. O. Box No. 17411, Andheri (E), Mumbai - 400 059

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