



HYDA CON
Innovative chemical solutions

Technical Data Sheet

HYDAPOXY GLOSS FLUIDA 120
HIGH GLOSS LIQUID EPOXY TILE JOINT

ABOUT HYDAPOXY GLOSS FLUIDA 120

HYDAPOXY GLOSS FLUIDA 120 is a two-component, high-gloss epoxy tile joint grout with a glass finish, specifically designed for horizontal tile joint applications. Supplied in pre-measured packs, it is ideal for use in residential, commercial, and industrial spaces. The product is formulated with specialized polymers and is compatible with separately added pigments to enhance visual appeal.

When properly mixed and applied, it forms a smooth, chemical-resistant, and hygienic grout joint that is both aesthetically pleasing and highly durable. Available in a range of vibrant colours, it significantly improves the finish of tiled surfaces.

SURFACE APPLICATION MATERIALS

- Natural Stones
- Granite & Marble
- Vitrified Tiles
- Ceramic Tiles

Note:

- Not recommended for use on rough tiles or rough natural stones.
- Designed specifically for horizontal tile joints.
- Not suitable for wet areas (e.g., bathrooms, showers, submerged conditions).

APPLICATION AREAS

- Residential and commercial tile installations
- Interior floor tile joints (horizontal only)
- Showrooms, hotels, and restaurants
- Industrial areas (excluding wet zones)

PRODUCT HIGHLIGHTS

❖ **HYGIENIC & ANTI-BACTERIAL** – Delivers a clean, germ-free tile joint surface suitable for all living and commercial spaces.

❖ **TWO-COMPONENT EPOXY SYSTEM** – Pre-weighed components ensure consistent mix quality and performance.

❖ **HIGH-GLOSS FINISH IN MULTIPLE COLOURS** – Enhances tile joints with a vibrant, polished look.

❖ **NO WASHING REQUIRED** – Eliminates water-based cleaning, saving time and effort.

- ❖ **CHEMICAL & ABRASION RESISTANT** – Withstands harsh cleaning agents and heavy traffic without losing its finish.
- ❖ **STAIN-FREE & EASY TO CLEAN** – Maintains pristine appearance over time with minimal maintenance.
- ❖ **EASY APPLICATION** – Smooth spreading consistency for effortless use on horizontal tile joints.
- ❖ **PIGMENT ADDITION FOR CUSTOM FINISH** – Allows aesthetic customization to match interior themes.
- ❖ **SUITABLE FOR MULTIPLE SURFACES** – Ideal for ceramic, vitrified, marble, and granite tiles in dry zones.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION GUIDELINES

1. **CLEAN & DRY TILE JOINTS** – Ensure that tile joints are completely dry before application. Remove all dust, oil, grease, or loose particles to achieve a clean surface for better grout adhesion.
2. **DUST-FREE SURFACE** – Eliminate all surface contaminants such as curing compounds, sealers, or residues. Use mechanical cleaning methods if needed to maintain a bond-ready surface.
3. **EDGE & JOINT FILLING CARE** – Make sure all tile joints and edges are fully filled to avoid voids. Proper joint filling helps ensure hygiene, durability, and an aesthetic high-gloss finish.

HOW TO MIX HYDAPOXY GLOSS FLUIDA 120

1. **MIXING RATIO** – In a clean container, mix Base and Hardener in a 1:0.8 ratio by volume. Pour the Hardener into the Base and stir for at least 1 minute until a uniform blend is achieved.
2. **PIGMENT ADDITION** – Add the pigment gradually during mixing. For Glitter effect use 50 gms/unit. Stir thoroughly for another 1 minute to obtain an even color.
3. **APPLICATION METHOD** – Use a spatula to apply the mix into the tile joints. Smoothly press the material in without disturbing the filled joints. Wipe off any excess from the tile surface while still workable.
4. **FINAL CLEANING** – After 6 hours, remove any remaining residue around joints using a sharp-edged knife or scraper. Ensure all joints are neatly finished and clean.

PRO TIPS & PRECAUTIONS

- ✓ Suitable for horizontal tile joints only – not for vertical or wet area applications.
- ✓ Do not use on rough tiles or stones; ensure surface is smooth and dust-free before application.
- ✓ Always add hardener into resin (Base : Hardener = 1 : 0.8 by volume), and mix thoroughly for at least 1 minute.
- ✓ Add pigment gradually after mixing base and hardener:
 - **Glitter effect pigment:** 50 gms/unit
- ✓ Do not remix or reuse material once pot life (20 minutes at 27°C) is over.
- ✓ Avoid disturbing joints during the initial setting time (approx. 60 minutes).
- ✓ Clean excess grout from tile surfaces immediately using a spatula; remove any dried residue after 6 hours with a sharp-edged tool.

- ✓ Keep grouted joints dry and free from moisture for at least 24 hours to ensure full cure and bonding.
- ✓ Do not add water or external additives to the mix.
- ✓ Not to be used as a filler or levelling material beyond tile joint applications..

PRODUCT SPECIFICATIONS & STORAGE GUIDELINES

AVAILABLE PACKAGING:

- 400 g (Base : Hardener – 1:0.8) unit
- Pigment supplied separately:
 - **Glitter effect** – 50 g/unit (Available in Gold, Silver & Bronze)

SHELF LIFE:

24 months from manufacturing date if stored in original, unopened packaging.

STORAGE CONDITIONS:

- Store in cool, dry area (10–30°C)
- Avoid direct sunlight, moisture, or freezing conditions
- Discard product if packaging is damaged or contents hardened

COVERAGE DETAILS

- Coverage: 150–160 sq. ft. for 600×600 mm tiles at 3 mm joint width & depth
- Coverage may vary based on tile type and surface condition

SAFETY & APPLICATION GUIDELINES HYDAPOXY GLOSS FLUIDA 120

1. PERSONAL PROTECTION

- Wear gloves, safety goggles, and protective clothing during mixing and application.
- Work in a well-ventilated area. Avoid inhaling fumes.

2. FIRST AID MEASURES

- **Skin Contact:** Wash immediately with soap and water.
- **Eye Contact:** Rinse cautiously with clean water for several minutes. Seek medical attention if irritation persists.
- **Inhalation:** Move to fresh air. Seek medical advice if discomfort continues.
- **Ingestion:** Do not induce vomiting. Seek immediate medical attention.

3. HANDLING & STORAGE

- Keep containers tightly sealed when not in use.
- Store in a cool, dry place (10°C–30°C) away from direct sunlight and freezing conditions.
- Keep out of reach of children and unauthorized personnel.

PERFORMANCE LIMITATIONS

- Not suitable for constantly wet or submerged areas (e.g., swimming pools, bathrooms)

- Not recommended for rough or textured tile surfaces.
- Pot life is limited to approximately 20 minutes at 27°C – work quickly.
- Application should be avoided in extreme temperatures (very high or low).
- Not suitable for expansion or movement joints – use flexible sealants instead.
- Improper mixing may cause colour shade variation – follow pigment instructions.
- Must clean excess grout within 6 hours to avoid staining on tile surfaces.
- Limited chemical resistance – verify compatibility for aggressive chemicals.
- Not intended for structural bonding or use as tile adhesive.

-End of TDS