



HYDA CON
Innovative chemical solutions

Technical Data Sheet

HYDAPOXY GLOSS GELLY 120

HIGH GLOSS SAG FREE GEL EPOXY TILE JOINT

ABOUT HYDAPOXY GLOSS GELLY 120

HYDAPOXY GLOSS GELLY 120 is a premium, two-component, glass-finish epoxy tile joint grout designed specifically for vertical and horizontal applications. Engineered with high-performance polymers, it is supplied in pre-measured packs for consistent quality and ease of use. The product forms a translucent, stain-free, chemical-resistant grout joint that significantly enhances the aesthetics of tiled surfaces.

It is suitable for use in residential, commercial, and industrial settings and can be applied on ceramic, vitrified tiles, marble, granite, and other natural stones—excluding rough or textured surfaces. The grout is available in a wide range of colours with a glossy finish, and pigments can be added separately for visual enhancement.

Its gel-based formulation allows for easy, mess-free application on both walls and floors, making it ideal for interior areas such as showrooms, hotels, and restaurants where high visual appeal is essential. However, it is not recommended for wet areas like bathrooms or swimming pools.

SURFACE APPLICATION MATERIALS

- Natural & Artificial Stones
- Granite & Marble
- Glass Mosaic Tiles
- Tiles & Others
- Ceramic Tiles
- Vitrified Tiles

APPLICATION AREAS

- Residential and commercial tile installations
- Interior wall and floor tiling
- Industrial areas (excluding wet zones)
- Showrooms, hotels, and restaurants
- Renovation projects and tile-on-tile installations

PRODUCT HIGHLIGHTS

- ❖ **HYGIENIC & ANTI-BACTERIAL** – Ensures clean and safe tile joints, ideal for sensitive environments.
- ❖ **VERTICAL & HORIZONTAL APPLICATION** – Gel form allows easy application on both walls and floors.
- ❖ **HIGH-GLOSS FINISH IN MULTIPLE COLOURS** – Offers vibrant joints that enhance tile aesthetics.
- ❖ **NO WASHING REQUIRED** – Easy to clean, no water-based cleanup necessary.

- ❖ **CHEMICAL & ABRASION RESISTANT** – Excellent performance in demanding environments.
- ❖ **STAIN-FREE SURFACE** – Maintains long-term visual appeal and cleanliness.
- ❖ **EASY APPLICATION** – Spreads smoothly using a spatula and cleans off tiles easily.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION GUIDELINES

1. **CLEAN & DRY TILE JOINTS** – Ensure tile joints are dry and completely free of dust, grease, oil, or any loose particles. Clean the surface thoroughly before grouting to ensure proper adhesion.
2. **DUST-FREE SURFACE** – Remove all deleterious substances like curing agents, sealers, and other contaminants that may interfere with bonding. Use mechanical means if necessary.
3. **PRE-CHECK FOR ROUGHNESS** – Not recommended for rough tiles or stones. Confirm that the tile surface is compatible for grouting before use.
4. **EDGE & JOINT CARE** – Ensure proper filling around the tile edges and joints to maintain hygiene and finish aesthetics. Avoid leaving gaps that may harbor dirt or moisture.

HOW TO MIX HYDAPOXY GLOSS GELLY 120

1. **MIXING RATIO** – Use a clean container. Mix Base and Hardener in a 1:0.8 (by volume) ratio. Stir slowly for at least 1 minute until uniform.
2. **PIGMENT ADDITION** – Add pigment gradually while mixing to achieve even coloration. Continue stirring for another 1 minute.
3. **APPLICATION METHOD** – Use a spatula to apply the grout into joints. Avoid disturbing the filled joints. Clean excess grout from tile surfaces gently.
4. **FINAL CLEANING** – After 6 hours, remove any residual material using a sharp-edged knife or scraper. Ensure all joints are neatly finished.

PRO TIPS & PRECAUTIONS

- ✓ For vertical and horizontal tile Joints.
- ✓ Do not use on rough tiles or wet areas.
- ✓ Always add hardener to resin, not vice versa.
- ✓ Avoid remixing once the material starts to set.
- ✓ Protect joints from moisture or cleaning for at least 24 hours.
- ✓ Do not add external chemicals or additives to the mix.
- ✓ Use only the required quantity; excess mix cannot be reused.
- ✓ Suitable for ceramic, vitrified, marble, and granite tiles.
- ✓ Not recommended as a leveling compound or filler beyond tile joints.

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 GELLY 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 recommended for submerged or continuously wet areas such as swimming pools, water tanks, or fountains.
- Not suitable for application on rough, highly textured, or unglazed surfaces, as it may be difficult to clean post-application.

- Do not dilute or modify the mix ratio. Altering the composition may affect bonding strength and chemical resistance.
- Not intended as a waterproofing solution. A separate waterproofing membrane must be used where moisture protection is required.
- Application temperature should be between 15°C and 35°C. Avoid use in extreme heat, humidity, or cold conditions.
- Color stability may vary under prolonged UV exposure in outdoor installations. Use recommended variants for UV resistance.
- Avoid usage in areas subject to heavy mechanical abrasion, unless protected by an appropriate seal coat or overlay.
- Do not apply over movement joints or expansion joints unless appropriate flexible sealants are used.

-End of TDS