



HYDA CON
Innovative chemical solutions

Technical Data Sheet

HYDAPOXY UV 10
UV Stable Epoxy Joint Grout

ABOUT HYDAPOXY UV 10

HYDAPOXY UV 10 is a single-component, ready-to-use, UV-resistant grout formulated for both interior and exterior floor and wall applications. It offers superior ease of application, colour stability, and long-lasting performance, making it ideal for residential, commercial, and institutional projects. With excellent flexibility, chemical resistance, and weather durability, **HYDAPOXY UV 10** is perfect for both dry and wet area installations.

It complies with **ANSI A118.3** and **ISO 13007 / EN 13888** standards, ensuring high performance even under demanding conditions.

SURFACE APPLICATION MATERIALS

- | | |
|---|---|
|  Marble & Granite |  Agglomerates (Engineered Stones) |
|  Vitrified & Ceramic Tiles |  Precast Terrazzo Tiles |
|  Glass Mosaic Tiles |  Clay Tiles, Terracotta Tiles, Metal Tiles |

APPLICATION AREAS

- | | |
|--|--|
|  Swimming Pools, Water Bodies & Saunas |  Washrooms & Clean Rooms |
|  External & Internal Facade |  Schools & Educational Institutes |
|  Podium Slabs, Driveways & Atriums |  Terraces & Balconies |
|  Hospitals, Operation Theatres & Laboratories |  Residential & Institutional Kitchens, Cafeterias & Food Joints |

PRODUCT HIGHLIGHTS

- ❖ **SINGLE COMPONENT & READY TO USE** – Simplifies application with easy-to-use formulation
- ❖ **UV STABLE & FLEXIBLE** – Ideal for interior and exterior installations, resistant to weathering
- ❖ **COLOUR-FASTNESS** – Retains colour brilliance without fading
- ❖ **LOW ODOUR DURING APPLICATION** – Enhances user comfort during installation
- ❖ **CHEMICAL & TEMPERATURE RESISTANT** – Durable against harsh cleaners and thermal stresses

- ❖ **NON-CRACKING / NON-POWDERING** – Maintains joint integrity for long-term performance
- ❖ **WATER & SHOCK RESISTANT** – Designed for high-moisture and heavy-use areas
- ❖ **FOOD GRADE PRODUCT** – Safe for food-handling areas.

TECHNICAL DETAILS

ANSI DATA

PROPERTY	TEST METHOD	REQUIREMENT	HYDAPOXY UV 10 VALUES
Water Cleanability	ANSI A118.3 – Cl. 5.1	> 80 Minutes	95 – 125 Minutes
Initial Setting Time	ANSI A118.3 – Cl. 5.2	> 120 Minutes	205 – 265 Minutes
Service Setting Time	ANSI A118.3 – Cl. 5.2	≤ 7 Days	50 – 75 Hours
Shrinkage after 7 Days	ANSI A118.3 – Cl. 5.3	< 0.25%	< 0.11%
Sag in Vertical Joints	ANSI A118.3 – Cl. 5.4	No change in shape of joint	No change
Chemical Resistance	ANSI A118.3 (ASTM C 267)	No change after exposure to stated chemicals	No change

EN / ISO DATA

PROPERTY	TEST METHOD	REQUIREMENT	HYDAPOXY UV 10 VALUES
Abrasion Resistance	Internal Test Method GTM 58	≤ 0.01 gm/cycle	0.00095 gm/cycle
Compressive Strength	EN 12808-3 (Modified Test Method)	> 10 MPa	13 to 15 MPa
Compressive Strength after Freeze Thaw	EN 12808-3 (Modified Test Method)	> 10 MPa	13 to 15 MPa
Transverse Deformation	ISO 13007 EN 12002	> 5 mm	> 6 mm

Water Absorption	EN 12808-5 (Modified)	≤ 5%	4% to 5%
------------------	-----------------------	------	----------

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION GUIDELINES

1. CLEAN & PREPARE JOINTS

Ensure all joints are free from dust, debris, or standing water, free from moist. Lightly sponge the tile surface to remove any remaining contaminants.

Note: Do not use acid cleaners. If acid was used previously, rinse thoroughly with clean water before commencing grouting.

2. INSPECT TILE/STONE SURFACE

Conduct a sample patch test with **HYDAPOXY UV 10** on the actual tile or stone to check for any colour ingress or staining—especially on porous or absorbent materials like marble, certain stones, or unglazed tiles.

3. MOVEMENT JOINT PROVISION

Provide movement joints as per engineering guidelines. Fill such joints using a flexible grout or sealant.

Note: HYDAPOXY UV 10 is a rigid grout and does not accommodate movement. Proper provision of movement joints is essential to avoid grout cracking or dislodgement.

4. PROTECT THE WORK AREA

When applying in areas exposed to sunlight, swimming pools, terraces, or balconies, shield the working area from direct sunlight during application and for at least 7 days post-application.

Delay water-filling or exposure to heavy traffic until the curing process is complete.

HOW TO MIX HYDAPOXY UV 10

1. **COMPONENT COMPOSITION** – **HYDAPOXY UV 10** is supplied as a single-component, ready-to-use product. No mixing of separate parts is required.

2. **MIXING PROCESS** – Open the pail and stir the grout thoroughly using a spatula, margin trowel, or a low-speed drill with paddle attachment. Mix for 3–5 minutes until the grout becomes creamy and workable.

IMPORTANT:

- Do not add water, solvents, latex, or any other liquids to the product.
- Ensure uniform consistency before application

3. **READY FOR APPLICATION** – Once mixed, **HYDAPOXY UV 10** is ready for use. Apply the grout using standard grouting techniques or with a caulking gun if required. Ensure all joints are fully packed with the grout material. Remove excess grout from the tile surface before initial cleaning.

CLEANING

- **REMOVE EXCESS GROUT** – Hold the edge of the grout float at a 90° angle and pull it diagonally across the joints to remove excess grout. This helps prevent grout removal from filled joints.

• **INITIAL CLEANING** – After approximately 4 hours (when grout is dry to touch), perform the initial cleaning:

- Use **HYDAPOXY UV 10** grout haze cleaner diluted in water (1 part cleaner : 6 parts water by volume).
- Apply the diluted cleaner to the tiled surface and allow it to soak for 2–5 minutes.
- Gently scrub with the provided scrubber using circular motions to remove grout haze.
- Clean the scrubber frequently in clean potable water.
- Lightly wipe the surface with a damp sponge to remove any remaining haze, ensuring to squeeze out excess water from the sponge

PRO TIPS & PRECAUTIONS

- ✓ Protect freshly grouted surfaces from direct sunlight, rain, and foot traffic for at least 2-4 hours. In open areas like terraces or swimming pools, cover the grouted area and only fill with water after 7 days.
- ✓ Do not mix cement or sand with the grout. Use only the components provided in the HYDAPOXY UV 10 kit components to ensure optimal performance.
- ✓ Always mix the grout properly: Open the pail and thoroughly agitate **HYDAPOXY UV 10** using a spatula, margin trowel, or drill fitted with a paddle. Mix for 3–5 minutes until a creamy, workable consistency is achieved. Do not add water, solvents, or latex.
- ✓ Apply the grout only on dry, properly cured substrates. Ensure the surface temperature is between 16°C and 32°C for best results.
- ✓ Avoid using grout to level surfaces with deep depressions or irregularities (greater than 15 mm).
- ✓ Before full application, test a small sample area, especially when grouting natural stone, highly absorbent, or textured tiles, to prevent staining or discoloration.
- ✓ Immediately remove excess grout from tile surfaces with a grout float to prevent grout residue or haze.
- ✓ Do not use acidic cleaners before or after grouting. If acids were previously used for cleaning, thoroughly rinse the surface with potable water and ensure no acid remains before applying HYDAPOXY UV 10. After grouting, use only neutral pH or tile-safe cleaners for maintenance.
- ✓ Always incorporate movement joints in accordance with standards like EJ 171, and fill them with flexible sealants to accommodate expansion and contraction.
- ✓ Allow at least 10 days for **HYDAPOXY UV 10** to achieve full chemical resistance. During this curing period, avoid using harsh cleaners or strong chemicals.

PRODUCT SPECIFICATIONS & STORAGE GUIDELINES

AVAILABLE PACKAGING

HYDAPOXY UV 10 is a factory-proportioned kit consisting of:

- Coloured Grout

- Specialty Cleaner
- Accessories (Gloves, Scrubber, Sponge)

UNIT NET WEIGHT:

- 1.0 kg
- 5.0 kg

COLOUR OPTIONS

Available in a wide range of colours.

SHELF LIFE

Minimum 12 months from the date of manufacture when stored properly between 10°C and 35°C, away from direct sunlight.

STORAGE LIFE

- Store between 10°C and 35°C
- Keep containers tightly sealed when not in use
- Discard product if packaging is damaged or contents have hardened.
- Keep away from:
 1. Direct sunlight
 2. High humidity or moisture
 3. Extreme cold or heat (<5°C or >35°C)

GROUTING INSTRUCTIONS

1. **WAITING TIME:** Begin grouting only after ensuring tile/stone is properly installed and free from surface contaminants.
2. **RECOMMENDED PRODUCTS:**

Use HYDAPOXY UV 10 along with the provided specialty cleaner for best results.
3. **APPLICATION TIP:**
 - Always perform a small test area with actual tile/stone before proceeding.
 - Ensure tiles are dust-free and surface is dry.
 - Test on absorbent tiles to avoid potential discoloration.
 - Apply using standard grouting techniques or a caulking gun.
 - Protect freshly applied grout from direct sunlight and heavy exposure during the first 7 days.

COVERAGE DETAILS

Coverage varies with tile size, joint width and depth.

FACTORS AFFECTING COVERAGE:

- Tile size ,joint width and depth
- Surface smoothness and porosity
- Grouting method (float or gun)
- Amount of material used.

SAFETY & APPLICATION GUIDELINES FOR HYDAPOXY UV 10

1. PERSONAL PROTECTION

- Wear protective gloves, clothing, and safety goggles while handling HYDAPOXY UV 10.
- Keep out of reach of children at all times.
- For professional use only – not intended for household DIY projects.

2. EMERGENCY PROCEDURES

- Skin Contact: Wash immediately with plenty of clean water and soap.
- Eye Contact: Flush eyes thoroughly with water for at least 15 minutes. Seek medical attention if irritation persists.
- Inhalation/Ingestion: In case of inhalation or accidental ingestion, seek immediate medical assistance.

MAINTENANCE

- Regularly clean installed surfaces with neutral pH soap and clean water.
- For optimal cleaning performance, use HYDACLEAN Series products designed for epoxy grout care.
- Proper routine maintenance ensures lasting durability and appearance of HYDAPOXY UV 10.

PERFORMANCE LIMITATIONS

- Not suitable for use on soft, polished marble or delicate glazed surfaces where scratching or discoloration may occur.
- Always provide appropriate movement joints to accommodate expansion or contraction of tile and stone installations to prevent cracking.
- HYDAPOXY UV 10 is a high-performance grout but **not** a substitute for waterproofing membranes — ensure suitable waterproofing measures are in place where needed.
- Maximum stain and chemical resistance is achieved **7 days** after installation. Avoid exposure to strong acids or aggressive cleaners during this curing period.

End of TDS