



GLAZE PLUS

TECHNICAL DATA SHEET

POLONIUM

POLONIUM



1 – DESCRIPTION

POLONIUM is a high-quality waterclear knife-grade marble filler based on UV-stabilized unsaturated polyester resin technology. The product is specially developed for professional stone processing applications where transparency, precision, and durability are required. The controlled curing behavior allows accurate filling, bonding, and shaping of natural stone surfaces. Once hardened, the bonded area forms a rigid structure that can be further processed by grinding, polishing, milling, or drilling.

Product Properties

POLONIUM is characterized by the following properties:

- Waterclear transparency
- Knife-grade gel consistency
- Non-yellowing formulation
- UV stable
- Suitable for vertical applications
- Excellent polishing capability
- Good adhesion on natural stone
- Smooth and controlled curing behavior
- Durable bonding performance

Application Area

- POLONIUM is designed for stone processing and fabrication applications.
- Typical uses include:
 - Filling cracks, pores and holes in natural stone
 - Repairing edges and corners of stone slabs
 - Bonding and repairing marble and granite surfaces
 - Modelling and rebuilding damaged stone areas
- The product is particularly suitable for light coloured and transparent crystalline natural stones, including:
 - Carrara
 - Thassos
 - Onyx
 - Palisandro
 - Estremoz
 - Similar natural stones
- Because of its transparent appearance, the filler maintains the natural structure and visual depth of the stone.

Instructions for Use

- The surface must be clean, completely dry and slightly roughened.
- Take the required quantity of POLONIUM® filler.
- Add compatible hardener in the recommended proportion.
- Mix thoroughly until a uniform mixture is obtained.
- Apply the filler using a spatula or knife onto cracks, holes or damaged areas.
- Allow the material to cure.
- After curing, the treated area can be ground, drilled, milled or polished.
- The curing process accelerates with heat and slows with low temperatures.
- Tools should be cleaned immediately after use

Special Notes

For professional use only.

The product hardens only when mixed with compatible hardener.

Hardener proportions higher than recommended may cause discolouration.

Lower hardener content or low temperatures may delay curing.

Do not use the product if it has already thickened or gelled.

Continuous exposure to temperatures above 50°C may cause discoloration.

Once hardened, the filler cannot be removed by solvents and can only be removed mechanically or by high temperatures.

Proper disposal requires the container to be completely emptied.

Storage

Store in a cool and dry place (5°C – 25°C) in the original sealed container. Shelf life is up to 12 months from the date of manufacture when stored under proper conditions.

Technical Data

Property	Value
Product Type	Polyester Marble Filler
Appearance	Gel / Paste
Colour	Waterclear Transparent
Density	approx. 1.12 – 1.18 g/cm ³
Mixing	With compatible hardener
Working Time (20°C)	approx. 12 – 24 minutes
Processing Time	approx. 6 – 8 hours
Further Processing	after approx. 12 hours
Tensile Strength	approx. 50 N/mm ²
Bending Strength	approx. 80 N/mm ²

Packaging 1KG

TECHNICAL SUPPORT

Admin Office C401 Swami narayan Business Park Narol Circle Ahemdabad - 382405

Website : www.glazeplus.in | Email : sales@glazeplus.in | Helpline no. +918368077496