



MASTIC P-2049 - RAPID CURE POLYUREA MASTIC FOR CONTROL JOINTS AND CRACKS

MASTIC P-2049, is a two-component, high solids content, rapid cure, UV resistant, polyurea for filling control joints and cracks on concrete floors.



USES

To seal and filling cracks and joints of:

- industrial and commercial concrete floors

NOTE: call our technical department about the application to other supports or situations

tensile strength	>10 MPa
elongation at break	>450 %
shore A hardness	>90
shore D hardness	>40
tack-free time	±15 min.
total dry time	2 hours
application method	mechanical equipment
VOC (volatile organic compounds)	0



COLORS



Gray

GENERAL FEATURES

- MASTIC P-2049 is a two-component, UV resistant, rapid curing, polyurea for filling control and construction joints in industrial floors.
- can be also used to repair damages or cracks
- very high elongation at break(>450%)
- high resistant to heavy loads
- it absorbs hard wheeled traffic
- do not use as an expansion joint filler



- 100 % solid content
- cold process using dual-component polyurea pump for joints or plural component dosing unit, or application by pouring gun or dispensing handle having a static mixer.
- free from harmful VOC compounds, therefore, does not hurt the ozone layer (VOC's zero).
- it doesn't emit substance to the environment once installed.

PACKAGING

Metal kit drum on these two formats:

- SMALL KIT: 20 kg each component
- LARGE KIT: 60 kg each component

SHELF LIFE

12 months at temperatures between 5°C to 35°C, provided it is stored in a dry place, keep away from direct sunlight, extreme heat, cold, or moisture. Once the tin has been opened, the product must be used. Once opening drum, B side must be agitated mechanically before inserting the transfer pumps and use.

APPLICATION METHOD

In general, you should take the following factors:

- clean up the surface of the joint or crack, removing any dust, dirt, grease, or efflorescence.
- remove any silicone-based products
- adhesion tests may be required for certain substrates
- in general, all surface preparation requires the removal of all grease, dirt loose, and flaking materials prior to the application of MASTIC P-2049
- in case of doubt of all above, apply before in a restricted area and to check

HEALTH AND SAFETY

These safety recommendations for handling, are necessary for the implementation process as well as in the pre and post, on exposure to the loading machinery. Always read the MSDS before use and handling the product.

- Respiratory Protection: When handling or spraying use an air-purifying respirator.
- Skin protection: Use rubber gloves, remove immediately after contamination. Wear clean body-covering. Wash thoroughly with soap and water after work and before eating, drinking or smoking.
- Eye / Face: Wear safety goggles to prevent splashing and exposure to particles in the air.
- Waste: Waste generation should be avoided or minimized. Incinerate under controlled conditions in accordance with local laws and national regulations.
- Vapor and atomized liquids are harmful
- Use only in ventilated areas, wear approved respirators when necessary
- Keep out of reach of children
- Do not use near high heat or open flame

Anyway, consult the material and safety data sheet (MSDS) of the product. To obtain an MSDS, please call +34935682111 or send an email to dpont@tecnopol.es



TECHNICAL DATA OF THE COMPONENTS

PROPERTIES	COMPONENT A	COMPONENT B*
Specific gravity at 23°C ISO 1675	1,11 ±0,05 g/cm ³	1,10 ± 0,05 g/cm ³
Viscosity (S63, 30 rpm at 23 °C) ISO 2555	850±50 cps	1.100 ± 250 cps
Mix ratio – in weight	100	102
Mix ratio – in volume	100	100

* Data for component B pigmented in gray. For other colorations or neutral, consult the official COA issued by Tecnopol (Certificate of Analysis for each batch delivered). Results performed in the laboratory at 23°C and 50% RH, under controllable conditions.

TECHNICAL DATA OF THE APPLIED PRODUCT

PROPERTIES	RESULTS
Density ISO 1675	±1,10 g/cm ³
Elongation at break ISO 527-3	>450%
Tensile Strength ISO 527-3	>10 MPa
Hardness (Shore A) DIN 53.505	>90
Hardness (Shore D) DIN 53.505	>40
Fire reaction	NPD
Tack free time	±15 minutes
Total dry time	2 hours
Application range temperature	25-35 °C
VOC content	0 (solids content 100%)

Results performed in the laboratory at 23°C and 50% RH, under controllable conditions. These values may vary depending on the application, climatology, or substrate conditions.

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