

MARICOAT® 2065

Thixotropic
polyurethane putty

TECHNICAL DATA SHEET
Date: 10.10.2024

Product Description

MARICOAT® 2065 is a thixotropic, two component, semi-rigid, polyurethane putty with high impact and abrasion strength and very good resistance to acidic and basic solutions. Cures by reaction (cross linking) of the two components.

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Product Information

- Two-component, thixotropic

Packaging

- 1,00+0,20 kg metal pails

Color

- Off white

Shelf Life

- 9 months from date of production

Storage Conditions

- Pails should be stored in dry and cool rooms for up to 9 months. Protect the material against moisture and direct sunlight. Storage temperature: 5°-30°C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

Advantages

- Solvent free.
- Provides enough elasticity to withstand constant impact
- Quick curing
- Chemical resistant
- Low cost

■ Uses

- MARICOAT® 2065 is mainly used on floors and walls as a putty to fill cracks, holes and improve irregularities.
- MARICOAT® 2065 is also suitable for adhering ceramic tiles, metals and plastics to metal, wood, plastic and mineral surfaces.

■ Consumption

- Consumption depending on the fixing required.

■ Certifications



Chemical properties**

| | | | |
|--|---|------------------------------------|---|
| Water | + | Hydrochloric acid 10% | + |
| Potassium hydroxide 5% | + | Phosphoric acid 10% | + |
| Sodium hydroxide 5% | ± | Sulfuric acid 10% | + |
| Ammonia 5% | ± | Citric acid 10% | + |
| Salt 20% | + | Ethanol 10% | ± |
| Domestic Detergents | + | Dichlormethane | - |
| Diesel fuel | + | N-methyl pyrrolidone (brake fluid) | - |
| {+ Stable, - Not stable, ± Stable for a short period.} | | | |



Technical Data*

| PROPERTY | RESULTS | TEST METHOD |
|------------------------------------|--|--------------------------|
| Composition | Pigmented Polyurethane resin + Hardener. Solvent free. | |
| Mixing Ratio | A:B = 100:20 by weight | |
| Hardness (Shore D Scale) | 75 ± 5 | ASTM D 2240 |
| Solids Content | 100% | CALCULATED |
| Flash point | > 200°C | IN HOUSE LAB |
| Temperature strength | 110°C (Fully cured) | INHOUSE LAB |
| Low Temperature Brittleness | -40°C (Fully cured) | INHOUSE LAB |
| Application Temperature | 5°C to 30°C | Conditions: 20°C, 50% RH |
| Pot-Life | 30 minutes | Conditions: 20°C, 50% RH |
| Tack Free Time | 5 hours | Conditions: 20°C, 50% RH |
| Light Trafficking | 12 hours | Conditions: 20°C, 50% RH |
| Final Curing time | 7 days | Conditions: 20°C, 50% RH |

■ Application

Surface Preparation

Careful surface preparation is essential for optimum finish and durability.

The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the putty.

Clean cracks and hairline cracks, of dust, residue or other contamination. Maximum moisture content should not exceed 5%. New concrete structures need to dry for at least 28 days. Old coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Possible surface irregularities need to be smoothed. Any loose surface pieces and grinding dust need to be thoroughly removed.

WARNING: Do not wash surface with water!

Priming

Prime all absorbent and brittle surfaces (brittle concrete, lightweight concrete, etc) with MARISEAL® 710 or MARIPUR® 7000 Primer, by using a brush. After 1 to 3 hours (but not later than 5 hours) apply MARICOAT® 2065 putty.

Mixing

Stir Component A well before using. MARICOAT® 2065 Component A and Component B should be mixed by low speed mechanical stirrer, according to the stipulated mixing ratio, for about 3-5 min.

ATTENTION: The mixing of the components has to be effected very thoroughly, especially on the walls and bottom of the pail until the mixture becomes fully homogeneous.

Repair of cracks:

Use a trowel to apply the MARICOAT® 2065 A+B mixture onto or into the surface/hole/crack.

The next day smoothen the putty surface with a sandpaper or a mechanical grinder. Then apply over MARICOAT® 2065, MARIS POLYMERS floor coating (MARIPUR®, MARICOAT®, MARIPOX®, etc.) of choice.

For best results, the temperature during application and cure should be between 5°C and 30°C. Low temperatures retard cure while high temperature speeds up curing. High humidity may affect the final finish.

ATTENTION: Please ensure consumption within the pot life.

■ Safety measures

MARICOAT® 2065 B contains isocyanates. See information supplied by the manufacturer. Please study the Safety Data sheet.

PROFESSIONAL USE ONLY.

Our technical advice for use, whether verbal or written, is given in good faith and reflect the current level of knowledge and experience with our products. When using our products, a detailed object-related and qualified inspection is required in each individual case in order to determine whether the product and /or application technology in question meets the specific requirements and purposes. We may guarantee only that our products are compliant with their technical specification; correct application of our products therefore falls entirely within your scope of liability and Users are responsible, in any case, for complying with local legislation and for obtaining any required approvals or authorizations, when necessary, either for their purchase and/or for their use. Values in this technical data sheet are given as examples and may not be regarded as specifications. For product specifications contact our technical department. The new edition of the technical data sheet supersedes the previous technical information and renders it invalid. It is therefore necessary that you always have to hand the current code of practice.

* All values represent typical values and are not part of the product specification. ** Chemical resistance tests time: 24 hours

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