

MARICOAT® 2065

Thixotropic Polyurethane Putty

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.

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.

Advantages

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

Packaging

MARICOAT® 2065 is supplied in 1+0.25 kg pails and 0.5 + 0.1 kg pails.

Technical Data

PROPERTIES	RESULTS	TEST METHOD
Composition	Pigmented Polyurethane resin + Hardener. Solvent free.	
Mixing Ratio	A : B = 100 : 25 by weight	
Hardness (Shore A Scale)	75 + 5	ASTM D 2240
Solids Content	100 %	CALCULATED
Flash Point	> 200°C	Inhouse Lab
Temperature strength	110°C (Fully cured)	Inhouse Lab
Low Temperature Brittleness	-40° C (Fully cured)	Inhouse Lab
Application Temperature	5°C to 35°C	Conditions: 20°C, 50% RH
Pot-Life	30 min	
Tack Free Time	5 hours	
Ligt Trafficking	12 hours	
Final Curing Time	7 days	

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 oil	+	N-Methyl pyrrolidon (brake fluid)	-
{+ stable, - unstable, ± stable for a short period.}			

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 BILIZO® PUR PRIMER, by using a brush. After 1 -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 or BILIZO floor coatings.

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.

Packaging

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.

Safety Measures

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