

CEMOULD PU55 ST

POLYURETHANE FOR MAKING MOULDS



DESCRIPTION

CEMOULD PU55 ST is a two component polyurethane resin based material for making negative moulds in pre-cast or in-situ concrete industries.

BASIC USES

Is specially formulated as elastomeric material for preparing negative moulds in precast or in-situ concrete industries. Mostly used for making architectural GRC (glass reinforced concrete) elements include panels, columns heads and other elements.

TECHNICAL INFORMATION

Consistency	Pourable grade
Color	Beige
Mixing ratio 100 Viscosity of	100 parts A to 28.2 parts B
Mixture @25°C	8000 +/- 1000cps
Density @25°C	1.36 +/- 0.02
Application life	1 hour @26°C
Shore A hardness	55 plus
Stripping time	24 hours
Using time	24 hours after stripping
Tensile Strength	2MPa ASTM D-412
Elongation	150% ASTM D-412
Tear Strength	30 PLi ASTM D-624

APPLICATION

Stir component A first, then component B shall be transferred into component A totally and mix using slow speed drill and jiffy mixer. The mixing procedure shall not be less than 5 minutes until homogenous mix is obtained. Once the material is homogeneously mixed, it is recommended to pour the mixture into another similar empty pail and mix for 3 minutes. This will eliminate the probability of having some unmixed components stuck to the sides of the pail. Partial mixing of **CEMOULD PU55 ST** is strictly prohibited because of its sensitivity. Properly mixed material shall be poured into master positive mould by providing shuttering around. Spread the liquid component uniformly over master positive and should always 5mm above master positive. Care should be taken to avoid entrapped air in the mixed material and it should be allowed to cure for 24 hours before de-moulding. Once after de-mould, the mould should not be used for 24 hours to avoid any rupture and other damages.

DIRECTION FOR USE

Surface preparation

The master positive mould should be free from all loose particles and dust. All holes and corners should be sealed using silicone sealant. After ensuring preparation, mould release agent should be applied on master positive mould just before application of **CEMOULD PU55 ST**.

CLEAN-UP

Because of the difficulty in cleaning up or removing cured **CEMOULD PU55 ST**, equipment and tools should be cleaned with xylene immediately after use.

PRECAUTION / LIMITATIONS

- Store in room temperature environment 24 hours prior to use. Do not heat with open flame.
- Polyurethane components may cause irritation. Avoid contact with eye and skin.
- Do not apply over free standing water.
- Always wear protective clothing, rubber gloves and eye protection when using product.

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YIELD	One pack (20 kgs) yields around 14.7 liters.
PACKAGING	CEMOULD PU55 ST is packed in 6 kgs and 20 kgs kit

Quality Statement

CMCI manufactures its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products CMCI also offers full technical field support to consultants, Architects, contractors, applicators and End Users.

The Technical Specification information and recommendations given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no warranty and or responsibility is assumed on the performance of work completion executed with use of our products.

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