

KUT DURAMOULD PU

Polyurethane mastic for making moulds

JOS-07-0712



DESCRIPTION

KUT DURAMOULD PU is two component polyurethane resin based material for making negative moulds in pre-cast or in-situ concrete industries.

USES

KUT DURAMOULD PU 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.

ADVANTAGES

- Self-leveling
- High performance - less maintenance

TYPICAL PROPERTIES

| PROPERTIES | |
|--------------------------------|------------------------------------------------------------------------------------------------|
| Form | Two part system |
| Consistency | Pourable |
| Mixing Ratio | 100 Parts A :10 Parts B |
| Pot life @ 25°C | 2 hrs |
| Colour | White |
| Physical or Chemical cure | Chemical cure |
| Hardness Shore A @ 25°C | 40 ± 5 |
| Application conditions at site | To avoid Unacceptably prolonged temperature cure times, do not apply at temperatures below 5°C |
| Solid content | 100% |
| Mixed density | 1.24 kg/ litre |
| Stripping time | 24 hours |
| Using time | 24 hours after stripping |

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.

APPLICATION

Mixing

KUT DURAMOULD PU is a two component system. Drain the contents of the tin containing the curing agent (Part B) into the large base (Part A) component tin. Using a hand held, slow speed drill (400 to 500 rpm) fitted with a paddle, mix for approximately one minute, stop the mixer and scrape around the top of the tin to remove any remaining curing agent. Continue mixing for a further 3 minutes until the material is thoroughly mixed. The pot life of mixed **KUT DURAMOULD PU** is influenced by temperature. partial mixing of **KUT DURAMOULD PU** is strictly prohibited because of its sensitivity.

Consult **ASPEC** Technical Department for additional information.

Application Instructions

Properly mixed material shall be poured in to 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.

Clean up

Immediately after use and before **KUT DURAMOULD PU** has cured, clean equipment with **KUT SOLVENT PU** or **PS**. Cured Sealant may be removed by cutting with a sharp-edged tool & thin films by abrading.

Curing

KUT DURAMOULD PU cures by a chemically controlled reaction. Initial cure is within 24 hours, and complete cure takes approximately 7 days. Cure rates are dependent on temperature and humidity.



مصنع التخصصية لكيموايات البناء
SPECIALITIES CONSTRUCTION CHEMICALS FACTORY

Marketed by: Alghanim Specialities Co. W.L.L
Amghara Industrial Area, P.O.Box: 23595 Safat, 13096 Kuwait
Tel: 1802550 – 400 - Fax: +965 24582548 - Email: sales@spec-kw.com



PRECAUTIONS

- Do not open containers until ready for use.
- **KUT DURAMOULD PU** is packed in premeasured units; do not use part mixes.
- Do not apply over free standing water.
- **KUT DURAMOULD PU** should not come in contact with oil-base sealants, silicone sealants, polysulphides, or fillers impregnated with oil, asphalt, or tar.
- Do not allow uncured material to come into contact with alcohol-based materials or solvents.
- Do not apply epoxy-based coatings in the vicinity of uncured **KUT DURAMOULD PU**.

PACKAGING AND YIELD

KUT DURAMOULD PU is available in 20 kg kit. One pack (20 kg) yields around 16 litres

STORAGE

KUT DURAMOULD PU in original sealed containers when kept in dry conditions at 5°C - 27°C has a shelf life of 12 months.

HEALTH AND SAFETY

KUT DURAMOULD PU may cause skin, eye or respiratory irritation, may cause allergic responses. Ingestion may cause irritation. Intentional misuse by deliberately inhaling the contents may be harmful or fatal. Keep out of the reach of children.

Wear suitable protective gloves and eye/face protection. In case of contact with skin, wash immediately with soap and water. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. Hands must be thoroughly washed with soap and water before eating or smoking. Remove and wash contaminated clothing. If inhalation effects occur, remove to fresh air. If discomfort persists or any breathing difficulty occurs, or if swallowed, seek immediate medical attention. Cured sealant should not be burned off due to generation of toxic fumes. Empty containers should be disposed off in accordance with waste disposal regulations.

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