

## MRO 4019 – KONKRETE PUTTY

### PU modified cementitious floor screed for repair

#### PRODUCT DESCRIPTION

'MRO 4019 – KONKRETE PUTTY' is a four -component urethane modified cementitious flooring repair system formulated to withstand harsh and demanding environments. It combines the most demanding performance characteristics resistance to impact, abrasion, chemicals and thermal attack. A PU binder is combined with Portland cement and graded aggregates to deliver superior performance characteristics. It can be installed with integral cove base for areas requiring sanitary seamless wall to floor transition also.

#### BENEFITS

- Can be used for versatile applications as it has an excellent adhesion to various substrates – concrete, quarry tiles, brick pavers and plywood
- Easy and quick to install
- Can be used in occupied areas due to very low odour & Zero VOC
- Long lasting repair due to excellent impact and abrasion resistance



#### APPLICATION AREAS

Ideal for patching concrete, brick, masonry & floors

#### DIRECTIONS FOR USE

##### CURE

Functional cure is achieved in 3 hours with a full cure resulting after 4 hours at 30°C. At elevated temperatures it is possible to reach a 'walk-on' cure in 2 hours.

##### SURFACE PREPARATION

Proper surface preparation is essential to the success and performance of 'MRO 4019 – Konkrete Putty'. In all cases,

the application surface must be sound, rough, clean, oil-free and dry.

##### NEW POURED CONCRETE:

Should be allowed to cure fully (28 days @ 21°C) prior to application. If a curing membrane was used, it must be removed, by sanding or etching with a strong detergent. If no curing membrane was used, the surface should be etched using an environmentally safe acid etch.

##### OLD CONCRETE

Application procedures are the same as for new concrete, except it is essential to thoroughly clean the surface. Use 'MRO 2006 – Non Chlorinated Kleaner/ MRO 1011 - Kleaner Degreaser' spray to remove grease and oils. All loose or unsound concrete should be removed by suitable mechanical means such as chipping, scarifying, shot blasting, sanding or grinding.

##### PREVIOUSLY COATED CONCRETE

Applications should be considered short term because the coating system is only as strong as the weakest component in the system. Paint that is peeling or degrading in any way should be removed completely by sanding or using 'MRO 1017 - Paint Remover'. If the paint is intact, the surface should be cleaned thoroughly with a strong detergent and sanded lightly to remove the gloss. Any areas where the finish has worn down to the original concrete should be treated as bare concrete. To ensure that 'MRO 4019 – Konkrete Putty' will bond to the old surface, a spot test should be made.

##### MIXING

Pour part B into part A and mix for about two minutes, being careful to mix the material from the bottom and sides of the container. Then mix the part D into the liquid using a power tool until a uniform texture is obtained. Mix the part A, B, C & D until uniform colour is obtained. If mixing indoors, adequate ventilation should be available.

##### APPLICATION

Spread mixed 'MRO 4019 – Konkrete Putty' over the application surface by pouring. To apply 'MRO 4019 – Konkrete Putty' with a trowel add more of part D.

#### AVAILABLE PACKAGING

**20 Kg (Part A 2.660 Kg, Part B 2.560 Kg, Part C 400 gm & Part D 14.380 Kg Containers)**

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### Technical Properties

PARAMETER	VALUE
Base Type	Polyurethane- Cementitious
Appearance ASTM D 1544	Slurry
Density ASTM D 1475-98	1.6 gm/cc
Pot life ASTM D 1640	40 min
Surface Dry ASTM D 1640	2 hrs
Full Cure ASTM D 1640	3 hrs
Bond Strength ASTM D 4541	400 psi
Abrasion Resistance ASTM C 501	30 mg
Compression Strength ASTM C 579	10000 psi
Hardness ASTM D 2240	80 Shore D
Tensile Strength ASTM C 307	4000 psi
Water Absorption ASTM D 570	Nil
Coverage	4Kg/Sq. m/ 4mm

#### PRECAUTION

For complete safety and handling information, please refer to Material Safety Data Sheets (MSDS) prior to using this product.

#### SHELF LIFE & STORAGE

A shelf life of 18 months from date of manufacture can be expected when stored at room temperature (30°C) in their original containers.

#### HANDLING

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding PPE, safe use, and physical & health hazards. Safety data sheet is available from MRO INFRA or your local MRO INFRA Channel Partner.

#### DISPOSAL

All used and unused product should be disposed of in accordance with state regulations.

#### LIMITED WARRANTY

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended MRO INFRA product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty.