

**Description**

MMA Deckcoat is a four pack Methacrylate resin system, modified to impart toughness, resilience and waterproofing properties to the cured membrane. The abrasion and impact resistance, together with the low temperature flexibility and excellent adhesion to concrete and steel make MMA Deckcoat an ideal material for use as a membrane subjected to vehicular traffic.

By broadcasting a layer of Silica Sand, Calcined Bauxite, or Quartz, etc., a slip - or skid resistant surface profile may readily be achieved.

**Typical Uses**

As a slip resistant membrane for car park decks, walkways, and areas subjected to heavy fork lift traffic.

As a skid resistant finish on ramps, heavily trafficked turning areas, ship decks, landing piers, etc.

**Advantages**

- \* Ultra fast curing characteristics
- \* Tough, resilient, and highly durable
- \* Range of slip- resistant and skid resistant finishes
- \* Resistant to oil, petrol, diesel and many industrial chemicals
- \* Flexible and abrasion resistant
- \* Colour options allow easy differentiation of specific areas e.g. walkways and parking bays in different colours.
- \* Low temperature cure

**Typical Properties**

Colours:	Grey, Green
(other colours can be supplied)	
Pot life @ 20C:	25 minutes
Curing times:	Light foot traffic after 1 hour @ 20C; Full trafficking after 2 hours @ 20C.
Thickness:	minimum 4mm, maximum 10mm
Compressive strength:	33N/Sq.mm.
Tensile strength:	7.1 N/Sq.mm.
Elongation at break:	120%
Heat Distortion Temperature:	55C
Temperature range:	during application: -35C * to + 40C, in service: -40C to + 50C.

- \* for low temperature conditions please consult our Technical Section for recommendations.

**Chemical resistance:**

Excellent resistance to dilute acids and alkalis, oil, petrol, diesel, vegetable oils, and fruit juices. For specific advice please consult our Technical Section.

### PROCEDURE

#### 1. Surface Preparation

a) Concrete shall be a minimum of 21 days old and/or the residual moisture content shall be below 6%. Ensure that the concrete is clean and free from dust, laitance, grease, oil, curing compound, existing paint finishes, etc.

Blow holes and defective concrete shall be made good using a proprietary repair compound e.g. MMA Floorpatch. Suitable mechanical treatment, such as vacuum grit blasting, is the preferred treatment prior to application, as this ensures a mechanical 'key' which will optimise adhesion.

b) Steel surfaces shall be shot blasted or grit blasted to a nominal Sa 2.5 Swedish Standard.

All dust shall be removed prior to coating application.

A coat of MMA Tackprimer shall be applied as soon as practicable after blasting, in order to obviate the possible occurrence of 'flash rusting'.

#### 2. Priming

a) Concrete surfaces shall be primed with a coat of MMA Tackprimer, applied by brush, roller, or airless spray, at the nominal rate of 0.3Kg/Sq.m.

Long nap lambswool rollers are recommended for primer application. Allow primer to cure for a minimum of 30 minutes.

b) Steel surfaces shall be primed with MMA Tackprimer (see section 1b above).

#### 3. Mixing

MMA Deckcoat is supplied as a four pack material consisting of: the RESIN component, the CATALYST component, the FILLER component, and a PIGMENT component.

Add the CATALYST component to the RESIN component and mix thoroughly, preferably by mechanical means, for a minimum of 2 minutes. Pour the contents into a mixing vessel, and add the FILLER and PIGMENT component whilst stirring. A low speed drill with paddle attachment may be used, or else a forced action mixer e.g. Creteangle type.

#### 4. Application

Pour the mixed material onto the prepared and pre-primed surface, and apply by serrated trowel to the desired thickness.

De-aerate the material by spike rolling.

Within 5 minutes, broadcast the appropriate aggregate at a nominal rate of 8 Kg /Sq.m. When cured, sweep off excess aggregate.

#### 5. Sealing

The application of a clear sealer coat is recommended to reduce tendency towards staining and dirt pick up, and thereby ensure optimum ease of cleaning.

Apply a roller coat of MMA Clear Sealer, flexible grade, at a nominal rate of 0.3 Kg/Sq.m. and allow to cure for a minimum of 2 hours prior to putting back into service.

6. Equipment Cleaning

Clean all equipment, immediately after use, with TOOLCLEAN.

7. Curing

Allow a minimum cure time of 1 hour @ 20C prior to overcoating or foot trafficking. For optimum chemical resistance, a minimum cure time of 24 hours @ 20C should be allowed.

8. Packing

MMA Deckcoat is supplied in 20Kg packs.

9. Coverage

A 20 Kg pack is sufficient to cover an area of 2.8 Sq.m. at a thickness of 4mm.

10. Storage and Shelf Life

Store in dry, cool conditions, preferably at temperatures between 10C and 20C, and out of direct sunlight.

Adequate ventilation of the storage area should be provided.

Keep containers tightly closed when not in use.

MMA Deckcoat has a minimum shelf life of 6 months when stored in original, unopened containers, in accordance with manufacturer' s instruction.

11. Limitations

Do not apply to wet or uncured concrete.

MMA Deckcoat will taint food during application, so that all foodstuffs in the immediate vicinity must be removed or properly covered.

12. Health and Safety

MMA Deckcoat is flammable during application, so that adequate safety precautions should be observed.

Please refer to the separate Material Safety Data Sheet and General Information Sheet before use.