

MMA Colourcoat

Description

MMA Colour Coat is a three pack, fast curing coating designed to provide a dust-free, seamless floor finish with protective and decorative properties.

The inherent slip resistance of the coating may be enhanced by the incorporation of a suitable anti-slip dressing aggregate.

MMA Colour Coat allows a fast return to service.

Typical Uses

- a) As an abrasion and chemical resistant floor coating.
- b) As a tough, decorative finish coat for MMA Smooth Screed.

Advantages

- * Tough and abrasion resistant
- * Very good chemical resistance
- * Rapid curing minimises down times
- * Easily applied
- * Hygienic and easily cleaned
- * Cures at sub-zero temperatures
- * Thermal shock resistant

Typical Properties

Colour:	grey and red as standard (any BS4800 or RAL colour can be supplied upon request)
Pot life @ 20C:	20 minutes
Pot life @ 10C:	35 minutes
Curing:	foot traffic after 1 hour @ 20C vehicular traffic after 2 hours @ 20C
Tensile strength:	20N/Sq.mm.
Elongation at break:	2%
Flexural strength:	37N/Sq.mm.
Adhesive strength to concrete: (concrete failure)	3.8N/Sq.mm.
Adhesive strength to grit blasted steel:	12N/Sq.mm.
Temperature range:	during application: -20C* to + 40C in service: -40C to + 90C

* 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 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' for the coating.

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 Steelprime 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 MMATackPrimer, 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 mins.

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

3. Mixing

MMA COLOUR COAT is supplied as a 2 pack material: the RESIN component and the CATALYST component.

Incorporate the CATALYST component under mechanical stirring, and mix for 1-2 minutes.

4. Application

Apply MMA Colour Coat using short nap perlon, or smooth lambswool, rollers, at a nominal rate of 0.30Kg/Sq.m. Following a minimum of 1 hour apply a second coat at the same nominal rate.

Should a slip resistant or skid resistant finish be required then broadcast an appropriate aggregate onto the first coat within 10 minutes of application.

Following a minimum of 1 hour, sweep off excess aggregate, and apply a second coat of MMA Colour Coat

NOTE: MMA Colour Coat may be applied at greater thicknesses should service conditions warrant it.

5. Equipment Cleaning

Clean all equipment, immediately after use, with TOOLCLEAN.

6. Curing

Light foot traffic: 1 hour @ 20C

Vehicular traffic: 2 hours @ 20C

Full chemical resistance: 24 hours @ 20C

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7. Packaging

MMA Colour Coat is supplied in 5Kg packs.

8. Coverage

A 5Kg pack will be sufficient to coat an area of 8.3Sq.m. with the recommended two coat treatment, providing a minimum thickness of 500 microns (without aggregate scatter).

9. 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 Colour Coat has a minimum shelf life of 6 months when stored in original, unopened containers, in accordance with manufacturer`s instruction.

10. Limitations

Do not apply to wet or uncured concrete.

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

11. Health and Safety

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

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