

# MasterProtect® 1855

## Single component eco-friendly high build coating for foundations

### DESCRIPTION

**MasterProtect 1855** is a single component water based coating with special resins. It is a high build protective coating suitable for concrete.

### USES

**MasterProtect 1855** can be used as a protective coating for foundation protection and also as a curing compound.

### FEATURES AND BENEFITS

- One component and easy to apply
- Good abrasion resistance
- UV stable
- Can be applied over damp surfaces
- Can be used as a protective coating and curing compound

### COLORS

**MasterProtect 1855** is available in Grey.

### PACKAGING

**MasterProtect 1855** is available in 19 litre units.

### TYPICAL PROPERTIES

Re-coat time @ 25°C	6-7 hours
Surface drying time @ 25°C ASTM D 1640	approx. 45 minutes
Density ASTM D1475	1.27kg/L
Volume Solids ASTM D2697-03	45%
Pull-off ASTM D4541	>1.0Mpa
Water permeability BS EN 12390-8 : 2009 @ 5 bar pressure	Nil
VOC EN ISO 11890 Part 2	Approx. 13g/L
Water absorption BS 1881 Part 122	0.2%
Chloride penetrability Table 1 ASTM C1202 : 2012	Very low

### CHEMICAL RESISTANCE

Ethylene Glycol	Resistant
Copper Sulphate	Resistant
Zinc Sulphate	Resistant
Magnesium Sulphate	Resistant
Tap Water	Resistant
Sea Water	Resistant
Ground Water	Resistant
High Sulphate Water	Resistant
Distilled Water	Resistant

### APPLICATION METHOD

Prior to application, the temperature of the material should be in the range of 15-40°C.

**MasterProtect 1855** should be well stirred before use. **MasterProtect 1855** can be applied by brush or airless spray units.

### THEORETICAL COVERAGE RATE

2.5m<sup>2</sup> per litre @ 400 micron wft / coat (Two coats application recommended). Please refer to BASF Method Statements for system specific coverage rates.

The curing time of the material is influenced by the humidity, wind speed, ambient and substrate temperatures. At high temperatures the time required for the coating to be surface dry is shortened accordingly. (See MS for full details).

### SUBSTRATE PRE-TREATMENT

The surface to which **MasterProtect 1855** is applied should be clean and free from oil, salt, grease and any other substances which may impair adhesion.

Application should take place within the re-coat intervals of the coating.

If the re-coat interval is missed, then the coated surface should be lightly abraded and cleaned prior to recoating.

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## STORAGE

Store in original containers, tightly sealed, under dry conditions and at temperatures between 15-25°C. Do not expose to direct sun-light.

## CHEMICAL RESISTANCE

**MasterProtect 1855** is meant to be used as a protective coating against below ground environment and external applications. It is not suitable to be used as a high chemical resistant coating against strong acids and alkalis. Contact your local BASF office for specific details.

## SHELF LIFE

The shelf life is 12 months in unopened drums when stored in cool and dry conditions at temperatures between 15-25°C.

## SAFETY PRECAUTIONS

Avoid contact with skin and eyes. Wear protective gloves, goggles and clothing. In case of skin contact, rinse immediately with soap and water! In case of eye contact, bathe eyes with water at once, then consult a doctor.

Standard industry manual handling and hygiene precautions should be adopted while handling the product.

## NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

## QUALITY AND CARE

All products originating from BASF's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

\* Properties listed are based on laboratory controlled tests.

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## STATEMENT OF RESPONSIBILITY

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## NOTE

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