

MasterSeal M880

A fast curing, non-solvented, high build polyurethane wear coating for use in waterproofing applications

DESCRIPTION

MasterSeal M880 is a fast curing, non-solvented, hand applied, two component, polyurethane based wear coat for use in waterproofing systems.

MasterSeal M880 is slightly thixotropic so that it can be applied to ramps as well as to horizontal surfaces.

MasterSeal M880 provides an excellent bond to aggregates and MasterSeal waterproofing membranes. Slight elasticity enables deck movements to be accommodated.

FIELD OF APPLICATION

MasterSeal M880 is designed for use as a wear resistant finish suitable for high traffic areas in a variety of waterproofing applications including roofing, balconies, podium and car park decks.

MasterSeal M880 particularly suited for fast track balcony installations.

MasterSeal M880 is always broadcast with aggregate and over coated with an encapsulation topcoat such as MasterSeal TC681.

Refer to individual data sheets.

FEATURES AND BENEFITS

- Fast cure
- Suitable wear resistant surface for application to membranes in high traffic areas
- Excellent hold to broadcast aggregates
- Excellent mechanical properties
- Excellent bond to waterproofing membranes
- Resistant to fuels, battery acid and hydraulic oils
- Suitable for application to horizontal surfaces and ramps
- Low consumptions
- Non-solvented

SUBSTRATE PRETREATMENT

The primer, or base layer to which MasterSeal M880 is to be applied must be clean and dry and free from oil, grease and loose material and any other contamination which might impair adhesion.

Primer selection will depend on substrate type. Application should take place within the re-coat interval of the primer, or base layer, to which it is to be applied. Refer to product data sheet.

APPLICATION CONDITIONS

For best results, materials, substrate and air temperature should be in the range 15 – 25°C.

Low temperatures will reduce flow and can impair the visual appearance of the wear coat.

High temperatures will shorten the open time and can impair the appearance of the wear coat.

The temperatures should not fall below the minimum stated until the material is fully cured. The temperature of the substrate must be at least 3°C above the dew point both during the application and for at least a further 3 hours (at 15°C).

APPLICATION

MasterSeal M880 is supplied in working units. Before mixing, both A and B components should be preconditioned to a temperature of 15 to 20°C.

Pour the entire contents of part B into the container of part A. Mix with a low speed (ca.300 rpm) electric drill and paddle at for at least 3 minutes until homogeneous. Scrape the sides and the bottom of the container several times during mixing to ensure complete mixing. Keep the mixing head submerged to avoid entrapping air.

Do not work out of the original container. Decant the mixed material into a fresh container and remix for another minute.

MasterSeal M880 is applied by squeegee or trowel and finished with a roller.

Broadcast FILLER F5 or 0.7–1.2mm oven dried silica sand at a rate of 3.0kg/m² into the still wet wear coat.

Plan the work to ensure the maintenance of a wet edge. Work within the open time of the material to avoid roller marks, etc., in the finished wear coat.

The curing reactions are influenced by the ambient, material and substrate temperatures. Low temperatures lengthen the pot life, open- and curing times. High temperatures shorten pot life, open- and curing times.

MasterSeal M880

A fast curing, non-solvented, high build polyurethane wear coating for use in waterproofing applications

COVERAGE

MasterSeal M880 Typically 0.4 – 0.6kg/m²

Broadcast:

FILLER F5 or 0.7–1.2mm oven dried silica sand typically at 3.0kg/m²

Refer to System Data Sheet and Project Specification.

FINISHING AND CLEANING

Tools must be cleaned immediately after use with xylene or a suitable solvent.

CURING

Full cure is reached in 5 days after the application at a constant temperature of 20°C.

WORKING TIME

24 minutes in 20°C ambient and substrate temperature.

PACKAGING

MasterSeal M880 is supplied in 24kg working packs.

STORAGE

Store in original containers under normal warehouse conditions. Off the ground, dry and at a temperature between 5–30°C. Do not expose to direct sunlight.

SHELF LIFE

For maximum shelf life under these conditions, see "Best before....." label.

EU Regulation 2004/42 (Decopaint Guideline)

This product conforms to the EU directive 2004/42/EG (Deco-Paint directive) and contains less than the maximum allowable VOC limit (Stage 2, 2010).

According to the EU directive 2004/42, the maximum allowable VOC content for the Product Category IIA / j is 500g/l (Limit: Stage 2, 2010). The VOC content for MasterSeal M880 is < 500 g/l (for the ready to use product).

HANDLING AND TRANSPORT

Usual preventive measures for the handling of chemical products should be observed when using this product, for example do not eat, smoke or drink while working and wash hands when taking a break or when the job is completed.

Specific safety information referring the handling and transport of this product can be found in the Material Safety Data Sheet. For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

Disposal of product and its container should be carried out according to the local legislation in force. Responsibility for this lies with the final owner of the product.

CONTACT DETAILS

Master Builders Solutions UK Ltd

19 Broad Ground Road

Lakeside

Redditch

Worcestershire

B98 8YP

Tel: +44 (0) 1527 512255

Fax +44 (0) 1527 503576

www.master-builders-solutions.com/en-gb

© Master Builders Solutions UK Ltd

MasterSeal M880

A fast curing, non-solvented, high build polyurethane wear coating for use in waterproofing applications

Product Data	
Mixed density g/cm ³	1.08
Viscosity at 20°C / mPas	1400
Working time /min 30 kg unit at 20°C	24
Re-coat intervals at 20°C minimum / hours	2
Ambient and substrate temperature minimum / °C maximum / °C	5 30
Relative humidity maximum / % RH	80
Mixed density g/cm ³	1.08
Physical properties after 28 days	
Shore D hardness	65
Tensile Strength/ MPa (DIN53504)	16
Elongation / % (DIN53504)	50

The above figures are intended as a guide only and should not be used as a basis for specifications.



When MasterSeal M880 is used as a wearing coat with other MasterTop and MasterSeal products the system conforms to the relevant CE marks.

Please refer to the relevant Declaration of Performance and the product and system data sheets.

MasterSeal M880

A fast curing, non-solvented, high build polyurethane wear coating for use in waterproofing applications

MasterSeal M880 - Master Builders Solutions UK Ltd, Version 1

Health and Safety

*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

Solvent Based Products

Use in well ventilated areas; avoid inhaling. Suitable respiratory equipment may be needed, eg when spraying. Can cause skin, eye irritation. Wear protective eye shields and gloves during use. Do not smoke or allow sparks or naked lights when stored or in use.

Resin Products

Can cause irritation, dermatitis or allergic reaction. Use protective equipment particularly for skin and eyes. Use only in well ventilated areas.

Spillage

Chemical products can cause damage; clean spillage immediately.

DISCLAIMER

"Master Builders Solutions UK Ltd" (the Company) endeavours to ensure that advice and information given in Product Data Sheets, Method Statements and Material Safety Data Sheets (all known as Product Literature) is accurate and correct. However, the Company has no control over the selection of its products for particular applications. It is important that any prospective customer, user or specifier, satisfies him/her-self that the product is suitable for the specific application. In this process, due regard should be taken of the nature and composition of the background/base and the ambient conditions both at the time of laying/applying/installing the material and when the completed work is to be brought into use.

Accordingly, no liability will be accepted by the Company for the selection, by others, of a product, which is inappropriate to a particular application.

Products are sold subject to the Company's standard conditions of sale and all customers, users and specifiers, should ensure that they examine the Company's latest Product Literature.