

# MasterSeal<sup>®</sup> M 881

Wear coat for use in car park deck waterproofing systems

## DESCRIPTION

**MasterSeal M 881** is a wear coat for use in car park deck waterproofing systems. It is a solvent free, 2-component polyurethane and is slightly thixotropic so that it can be applied to ramps without the on-site addition of a thixotropic as well as to horizontal surfaces. It has a low consumption for economic use and exhibits an excellent bond to the waterproofing membrane. **MasterSeal M 881** is slightly elastic so that it can accommodate some movement of the deck. It has a tenacious hold onto the broadcast aggregate providing a hard wearing, skid resistant surface

## RECOMMENDED USES

**MasterSeal M 881** is primarily intended for use as the wear coat in MasterSeal Traffic car park deck waterproofing systems. It can also be used in other systems where its low consumption and ease of application together with its excellent mechanical properties can be used to advantage.

## FEATURES AND BENEFITS

- **Long lasting non slip profile** - Tenacious hold to broadcast aggregate
- **Multi-purpose** - Slightly thixotropic for application to ramps
- **Withstands loads imposed by traffic** - Excellent bond to waterproofing membrane
- **Suitable for prolonged use in carparks** - Resistant to fuels, battery acid and hydraulic oils

## PERFORMANCE DATA

Shore D Hardness @ 28 Days	65
Tensile strength (N/mm <sup>2</sup> ) (DIN 53504)	16
Elongation (%) (DIN 53504)	50
Abrasion Resistance (mg) (EN ISO 5470 -1)	≤3000
Crack Bridging Ability (EN 1062-7)	B4.2(-20°C)
Adhesion Strength (MPa) (Pull Off Method)	≥ 1.5

Skid Resistance with TC 258 (EN 13036-4)	Class III
Impact Resistance (EN ISO 6272 -1)	Class I

## PROPERTIES

Mixing Ratio (pbw) A:B	100:46
Mixed Density (g/cc)	1.08
Mixed Viscosity, (mPas)	1400
Working time @ 23°C, (minutes)	30
Recoating Interval (Hrs)	
Minimum @ 10°C	12
Minimum @ 20°C	9
Minimum @ 30°C	6
Substrate & Ambient Temperatures (°C)	
Minimum	5
Maximum	40
Relative humidity (%), Maximum	80

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

## APPLICATION

**(A) SURFACE PREPARATION:** The preparation of the substrate and the use of appropriate primer are of paramount importance. All surfaces to which **MasterSeal M 881** is applied should be sound, clean and dry and free from loose particles, oil or grease or any other substances which may impair adhesion.

**(B) MIXING:** **MasterSeal M 881** is supplied in working packs which are pre-packaged in the exact ratio. Before mixing, precondition both A and B components to a temperature of approximately 15°C to 25°C.

Pour the entire contents of Part B into the container of Part A. **DO NOT MIX BY HAND.** Mix with a mechanical drill and paddle at a very low speed (ca. 300 rpm) for at least 3 minutes. Scrape the sides and the bottom of the container several times to ensure complete mixing. Keep the mixer blades submerged in the coating to avoid introducing air bubbles. **DO NOT WORK OUT OF THE ORIGINAL CONTAINER.**

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After proper mixing to a homogeneous consistency pour the mixed parts A and B into a fresh container and mix for another minute.

**(C) APPLICATION:** MasterSeal M 881 should be spread with a squeegee and finished by rolling.

The curing time of the material is influenced by the ambient, material and substrate temperatures. At low temperatures, the chemical reactions are slowed down; this lengthens the pot life, open time and curing times. High temperatures speed up the chemical reactions thus the time frames mentioned above are shortened accordingly.

To fully cure, the material, substrate and application temperature should not fall below the minimum. Following application the material should be protected from direct contact with water for approx. 16 hours. The temperature of the substrate must be at least 3°C above the dew point both during the application and for at least 16 hours after application (at 15 °C).

The coating to which **MasterSeal M 881** is to be applied should be clean and dry. Application should take place within the re-coating intervals of the surface to which it is to be applied.

## ESTIMATING DATA

The consumption of **MasterSeal M 881** is 0.4 – 0.7 kg/m<sup>2</sup>.

In some countries the minimum thickness of the wear coat is defined. In these cases the consumption can be higher than the values quoted above.

The above consumption figures are intended as a guide only and may be higher on very rough or porous substrates.

## PACKAGING

**MasterSeal M 881** is supplied in 24 kg working packs.

## SHELF LIFE

**MasterSeal M 881** has a shelf life of 12 months. Store out of direct sunlight, clear of the ground on pallets protected from rainfall.

## PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Material Safety Data Sheet (MSDS) from our office or our website.

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