

MasterSeal® M 200 (formerly known as Sonoguard basecoat)

Trafficable Waterproof coating system for park decks, pedestrian areas and roofs

DESCRIPTION

MasterSeal M 200 is a liquid applied moisture-cure polyurethane seamless waterproofing membrane. As part of the MasterSeal Traffic 1500MD system creates a tough, continuously elastomeric properties achieve long term protection against water ingress. High skid resistance with aliphatic top coat ensures long life and suitability for public locations.

RECOMMENDED USES

Waterproofing exterior surfaces subject to light vehicle and pedestrian traffic loads. Skid resistant textures are incorporated for safety as required. Substrates include concrete and incidental metal on car park decks.

Provides durable attractive membrane to:-

Park Decks, Balconies, plaza decks, rooftops, plant rooms, and can be used to recoat old membranes and copings.

FEATURES AND BENEFITS

- **Waterproof** - Protects occupied areas below from water damage
- **slip resistant** to Increase pedestrian and vehicular traffic safety.
- **Seamless membrane** - bridges existing cracks
- **Top coat UV resistant** – suitable for external applications
- **Range of top coat colours available** - Attractive, decorative appearance
- **VOC Content-MasterSeal M 200 self-**levelling grade: 196 g/L of VOC.

PROPERTIES

Property	Base Coat	Top Coat	Test Method
Hardness, Shore A	60	89	ASTM D 2240
Tensile strength MPa	5.2	17.2	ASTM D 412
Elongation, %	595	502	ASTM D 412
Tear strength, PIT	74	199	ASTM D 1004
Weight loss, %	16	17	Max 40

Weathering Resistance and Elongation Recovery (ASTM C957)

		Requirement
Elongation Recovery	System 94%	Min 90
Tensile Retention	System 151%	Min 80
Elongation Retention	System 94%	Min 90
Abrasion resistance, mg lost	1 – (System passes) Requirements- Max: 50	(CS17 wheel) 1,000 g/1000 cycles)
Crack bridging	System passes	1000 cycles

Skid Resistance

When applied in Top Coat Film with total coverage rate not exceeding 0.7 litres per metre square per coat.

Aggregate must be **MasterSeal Aggregate** at 0.5kg/m².

Slip Resistance	Wet – Coefficient	0.74
Slip Resistance	Dry – Coefficient	1.05

Test Method: AS/NZS 3661.1 and Compliance requirement is 0.40 minimum.

Chemical Resistance (ASTM C 957)

Chemical	Base Coat	Top Coat	Requirements
Ethylene glycol	88	92	Min 70
Mineral spirits	47	60	Min 45
Water	96	83	Min 70

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	Base Coat	Top Coat
Supply form	Liquid single pack	
Colour	Standard (Grey) or Tint	
Application	Temperature >5 to 35°C	
Specific gravity	1.19	1.09
Nonvolatiles,% (Solids by weight) ASTM D 1259	84	77
Viscosity, cps ASTM D 2393	4000-9000	2000-4000
Flash point ASTM D 56 (°C)	40	40.5

STANDARDS

- AS/NZS 3661.1 Slip Resistance
- ASTM C957
- UL 790 Class A Fire Rating
- ASTM E108
- ASTM E84

APPLICATION

For information on surface preparation, priming, methods of application etc, refer to "Application Guide for MasterSeal Traffic 1500 MD available from your local BASF Construction Chemicals representative. Systems available:

1. ROOF TOP SYSTEM (OCCUPIED SPACE UNDER)
 - Primer **Mastertop 1090** 6-8m² litre
 - **MasterSeal M 200** 1.2litres/ m²
 - **MasterSeal TC 225** 0.65litres/ m²
 - **MasterSeal Aggregate** – 1-2kg/ m²
DFT 1.8mm+

2. LIGHT TO MEDIUM TRAFFIC SYSTEM

- Primer **Mastertop 1090** 6-8m² litre
- **MasterSeal M 200** 0.7litres/ m²
- **MasterSeal TC 225** 0.65litres/ m²
- **MasterSeal Aggregate** – 2-3kg/ m²
DFT 2.0mm

3. HEAVY DUTY TRAFFIC SYSTEM

- Primer **Mastertop 1090** 6-8m² litre
- **MasterSeal M 200** 1.0litre/ m²
- **MasterSeal TC 225** 1.0litre/ m²
- **MasterSeal Aggregate** – 2-4kg/ m²
DFT 2.4mm

4. EXTRA HEAVY DUTY TRAFFIC SYSTEM

- Primer **Mastertop 1090** 6-8m² litre
- **MasterSeal M 200** 1.0litre/ m²
- **MasterSeal TC 225** 1.2litre/ m²
- **MasterSeal Aggregate** – 2-4kg/ m²
DFT 3.0mm

Do not start until you refer to application guide for installation instructions.

ESTIMATING DATA

One pail of **MasterSeal M 200** will cover an area approximately 28 m² or a grid 9 by 3 m at 0.6 mm.

PACKAGING

MasterSeal M 200 is available in 18.93 litre units.

SHELF LIFE

MasterSeal M 200 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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STATEMENT OF RESPONSIBILITY

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BASF Construction Chemicals offices in ASEAN

Singapore

Tel : +65-6861-6766
 Fax : +65-6861-3186

Malaysia

Tel : +60-3-5628-3888
 Fax : +60-3-5628-3776

Indonesia

Tel : +62-21-2988-6000
 Fax : +62-21-2988-5935

Thailand

Tel : +66-2769-8564
 Fax : +66-2769-8584

Vietnam

Tel : +84-650-3743-100
 Fax : +84-650-3743-200

Philippines

Tel : +63-2-811-8000
 Fax : +63-2-838-1025