

# POLYTHANE™ 232 MF

SELF SMOOTHING POLYURETHANE FLOOR OF THICKNESS 3-4 MM

## DESCRIPTION

Polythane™ 232 MF is a flow applied, self-smoothing 4 component polyurethane floor screed. Topping in thickness average 3-4 mm for industrial application and repairing system in smooth finish offering versatility in performance, aesthetics and cost effective.

## RECOMMENDED USES

- Hygienic floor for kitchens, food and beverage processing and packaging plants.
- Chemical resistance floor for chemical processes
- Mechanically durable floor for light to medium load like packing rooms, kitchens, loading docks and store rooms
- Warehouses

## MAIN PROPERTIES

- Excellent chemical resistance
- Resists bacterial growth, fungi, mould and mildew
- Easily cleaned and maintained smooth seamless surface
- High-density systems with maximum wear, abrasion and impact resistance
- User-friendly, low odor during installation
- One of the fastest "turn around time" polymer modified product which reduces cost
- High temperature resistance up to 80 °C
- Seamless without joints for optimum sanitation and hygienic finish
- Food Grade

## TECHNICAL PROPERTIES

Density	1.85 kg/mm/sqm
* Compressive strength	50 N/mm <sup>2</sup>
* Tensile Strength	65.09 ksc (ASTM C307-03)
* Flexural Strength	153.66 ksc (ASTM C348)
* Pull-off Strength	1.64 mPa (ASTM D7522)
Thermal conductivity	0.9 W/m °C
* Taber abrasion resistance	0.1 gm/1000 gm/1000 rpm
* Coefficient of thermal expansion	3.5 X 10 <sup>-5</sup> °C
Impact resistance	<0.5 (BRE screed tester) mm
Water absorption	0 ml
* Temperature resistance	0 °C to 80 °C
Pot life	25 - 30 min. at 30 °C

## COLOR

- Light Gray (Close to RAL #7035 Light Gray)
- Medium Gray (Close to RAL #7040 Window Gray)
- Dark Gray (Close to RAL #7037 Dusty Gray)
- Yellow Cream (Close to RAL #1014 Ivory)
- Yellow Buff (Close to RAL #1002 Sand Yellow)
- Light Green (Close to RAL #6021 Pale Green)
- Dark Green (Close to RAL #6032 Signal Green)
- Blue (Close to RAL #5024 Pastel Blue)
- Red (Close to RAL #3001 Signal Red)

## SURFACE PREPARATION

- Concrete should have a mechanical strength of at least 210 KSC (cyl)
- Moisture contents in the concrete should be less than 5%
- Surface preparation by scarifying crossed lines or shotblasting
- Groove every 1.5 meter, crossed lines, is recommended for better bonding into the substrate
- Key lock, two parallel lines, at all edges to wall, to gutter is also recommended to avoid curlin and debonding



## INSTALLATION

- Primer, epoxy primer Rocaprime™ 200 and broadcasting with Filler QS-4 100 g/m<sup>2</sup> are recommended prior coating with Polythane™232 MF. Let the primer completely dry, approximately 6-8 hours before applying the top coat.
- Polythane™232 MF should not be applied on floor temperature below 10°C. Temperatures should not fall below 5°C in the 24 hours after application.
- Polythane™232 MF is not designed for immersion.

## AVERAGE CONSUMPTION

- 3.33 m<sup>2</sup>/set/ 3 mm

## TRAFFICABILITY (at 35 °C)

8 hours	Foot traffic
18 hours	Light traffic
24 hours	Full traffic
7 days	Full cured

## MAINTENANCE

Regular cleaning and maintenance will prolong the life of Polythane™232 MF, enhance the appearance and reduce the tendency to retain dirt.

- For the first 7 days, use only clean water to wash the floor
- After 7 days, can use liquid soap or light diluted detergent and high pressure water to wash the floor

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PRODUCT DATA SHEET

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## PACKAGING

<b>Polythane</b> Part A	3 kg/container, 6 container/box
<b>Polythane</b> Part B	3 kg/container, 6 container/box
<b>Polythane</b> Part C	12.3 kg/bag
<b>Polythane</b> Part E	200 g/bag

## STORAGE AND SHELF LIFE

- 6 months to 1 year

## HEALTH & SAFETY

Material Safety Data Sheet (MSDS) available upon request.

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