POLYTHANE™ 231 GF

SELF FLOW SMOOTHING POLYURETHANE OF THICKNESS 2 MM

231 GF

PRODUCT DATA SHEET

DESCRIPTION

Polythane™ 231 GF is a 4 component self flow smoothing polyurethane suitable for refurbishment of old or worn out polyurethane floors.

RECOMMENDED USES

- Refurbishment of old, or worn out polyurethane floors
- Wet floor, kitchen, beverage processing
- Chemical resistance floor

MAIN PROPERTIES

- Can lay thin surface layer 2 mm
- Excellent chemical resistance
- Resists bacterial growth, fungi, mould and mildew
- Easy to clean
- Seamless surface for optimum sanitation
- Food Grade

TECHNICAL PROPERTIES

Density	1.85 kg/mm/sqm
* Compressive strength	42 N/mm^2
* Tensile Strength	7 N/mm^2
* Flexural Strength	21 N/mm^2
Dynamic elastic modulus	14500 N/mm^2
Adhesive Strength	Concrete Failure
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 - 5 °C
Impact Resistance	< 0.5 (BRE screed tester) mm
Temperature Resistance	80 °C
Water Permeability	o ml
Pot Life	12-15 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 grinding or by shotblasting.
- Groove every 1.5 meter, crossed lines, is recommended for better bonding into the substrate
- Key lock, two paralel lines, at all edges to wall, to gutter is also recommended to avoid curling and debonding

INSTALLATION

- Primer : epoxy primer Rocaprime™ 200 is recommended prior applying Polythane™ 231 GF. Let the primer completely dry, approximately 6 - 8 hours.
- Polythane™ 231 GF should not be applied on floor temperature below 10 °C. Temperatures should not fall below 5°C in the 24 hours after application.
- Polythane™ 231 GF is not designed for immersion.

AVERAGE CONSUMPTION

- 4.46 m^2/set/ 2 mm

TRAFFICABILITY (at 35 °C)

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

MAINTENANCE

Regular cleaning and maintenance will prolong the life of Polythane™ 231 GF, 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.

PACKAGING

Polythane Part A	3 kg/container, 6 container/carton
Polythane Part B	3 kg/container, 6 container/carton
Polythane Part C GF	10.5 kg/bag
Polythane Part E GF	150 g - 300 g/bag

STORAGE AND SHELF LIFE

- 6 months to 1 year

HEALTH & SAFETY

Material Safety Data Sheet (MSDS) available upon request.

Technology for Engineers