MonniTop P200

High Build Flexible Polyurethane Floor Coating

Product Description

MonniTop P200 is a high performance Polyurethane coating specifically developed for use as a high build flexible floor coating.

MonniTop P200 is formulated on a complex blend of high molecular weight polyols and urethane polymers, which produces a system with outstanding impact and chemical resistance coupled with a high degree of flexibility. This unique resin system is combined with a special blend of pigments enabling a select range of colors to be offered suitable for the long term protection of industrial floors operating in the most aggressive of environments.

Uses

MonniTop P200 has excellent adhesion to almost any mineral surface. MonniTop P200 floor coating is ideal for protection of the following:

- Car parks
- Floors in factories
- Warehouses
- Laboratories
- Loading decks ramps
- Showers
- Kitchens
- Dairy and brewery or any area where long term maintenance free protection is required

Advantages

- Excellent surface adhesion
- Can achieve 200 microns per coat which means less labor cost
- Solvent free and odorless
- Durable and low maintenance cost
- Excellent resistance to a wide range of chemicals
- High mechanical strength with excellent impact and abrasion resistance
- Elastomeric

Usage Instructions

Surface Preparation

The surface of the concrete to be prepared shall be sound, clean and uncontaminated.

This preparation shall be such as to leave a sound exposed concrete surface free from dust, loose particles and any deleterious matter. If the concrete surface is defective or has laitance, it must be cut back to a sound base. Excess laitance deposits are best removed by light mechanical scrabbling, grinding or grit/captive blasting followed by vacuum cleaning to remove dust debris.

Any blowholes, chipping or similar surface imperfections shall be repaired using MonniFinish EC, a solvent free epoxy resin repair mortar. Expansion joints shall be repaired using MonniMort HS, a High strength solvent free epoxy mortar.

T +974-4460-0862
E office@monneli.com
A New Industrial Area, Street #2, Zone 81, Gate 235
P.O.Box 13310, Doha, Qatar

New concrete or cementitious surfaces should be allowed to cure and have moisture content not exceeding 5%. Old or existing floor should be refurbished mechanically to ensure clear sound substrate.

Priming

Highly porous concrete must be treated with PRIMER PU, a high-performance Polyurethane primer. PRIMER PU shall be used as a primer coat for polyurethane based car park deck systems.

The primer should be applied by brush or roller on to the cleaned surface area (particularly hidden surfaces) at a rate of 5-6 m^2/L.

The primer should be left to achieve a tack-free condition for 6-8 hours before applying the top coat. A second coat of primer may be required if the substrate is excessively porous. Metal surface must be perfectly cleaned up to white metal by sand blasting, and then treated with one coat of PRIMER PU before the oxidation process begins again.

Mixing

MonniTop P200 is supplied in two pre-weighed packs (Component A – Base and Component B – Hardener) which are ready for immediate in-situ use.

Stir in both components before use. Transfer the entire contents of component B (Hardener) into the component A (Base) can and mix with low speed drill and paddle (200 – 300 rpm) for 2 – 3 minutes till obtaining a mix with uniform consistency. Scrape the sides and bottom of the can during mixing to ensure homogeneity.

Application

Apply MonniTop P200 by roller, squeegee or airless spray to the primed tack free surface. For airless pump applications, the product can be diluted with maximum 10% of Monneli Solvent 10.

MonniTop P200 can be applied as a single intermediate coat, or as a multi-coat sandwich

system incorporating aggregates QUARTZO NO.2

between coats to give a slip resistant finish.

Each coat is applied at a rate of 4-6m2/Liter

achieving a thickness of 200-250 microns/coat.

The total dry film thickness of the coating shall be a minimum of 500 microns.

Cleaning

Tools and equipment should be cleaned with Monneli Solvent 10 from Monneli immediately after use. Hardened material should be removed mechanically.

Spillages should be absorbed with sand or sawdust and disposed of in accordance with local regulations.

Recommendations

- MonniTop P200 should be applied to the prepared floor after a curing of 28 days or more has elapsed
- Do not use during rainy days or if temperature is less than +5°C
- Application should not be carried out when atmosphere humidity exceeds 90%, or when the surface to be coated is less than +3°C above the dew point
- MonniTop P200 should not be applied to the following substrates: damp substrates, asphalt, PVC tiles or sheets, hardboard / chipboard

T +974-4460-0862
E office@monneli.com
A New Industrial Area, Street #2, Zone 81, Gate 235
P.O.Box 13310, Doha, Qatar

Technical Data

Category	Typical Values
Appearance	Liquid Coating
Color	Refer Monneli Color Chart
Viscosity at 25°C	950 MPa.s
Density at 25°C	1.4 kg/L
VOC	6.0 g/L
Pot-life time at 25°C	45 minutes
Bond strength (ASTM D 4541)	≥2.50 N / mm^2
Elongation (ASTM D412)	Up to 180%
Tensile strength (ASTM D412)	7.0 N / mm^2
Tear Strength (ASTM D 624)	> 35 kN/m
Abrasion Resistance (ASTM D 4060)	55mg/1000cycles
Cure at 25°C	24 hours
Full traffic use at 25°C	7 days
Service Temperature	-5°C to +80°C

All values are subject to 5-10 % tolerance

Chemical Resistance

MonniTop P200 is resistant to acids and alkalis of medium concentrations, mineral oil products and solvents.

Consumption

4–5 m2 / Liter per coat according to the porosity of the surface

Packaging

MonniTop P200 is available in 4- and 15-Liter kits.

Storage

Keep in tightly closed containers and in sheltered and dry place with a temperature between +5°C and +35°C. Shelf life is 12 months from date of production if stored properly.

Health & Safety

During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary. In case of contact with skin, rinse with water and again wash thoroughly with soap and water.

In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly. If ingested, obtain medical attention immediately. Do not induce vomiting.

VER.1.2019

T +974-4460-0862
E office@monneli.com
A New Industrial Area, Street #2, Zone 81, Gate 235
P.O.Box 13310, Doha, Qatar
monneli.com