



Polyflex PU34

*Hygienic finish
PU Self-Leveling
For Floor*

Description

Polyflex PU34 is a 3-component polyurethane which completely self-leveling at a bed thickness 3-4 mm. for industrial floor material processing an extremely high resistance against the attack of acids and alkaline. The material is also highly resistant to inhibits growth of E-coli, staphylococcus, salmonella and listeria.

Polyflex PU34 is recommending applying at thickness 3-4 mm.

Object

Polyflex PU34 provides a seamless hard wearing attractive floor which is chemical resistant, impervious and easy to clean. Available in a wide range of colors.

Polyflex PU34 is ideal for kitchen and industrial locations where a hard wearing hygienic, dust free environment is important, e.g. laboratories, hospital clean rooms, electronics assemble plants, switchgear plant rooms, light industrial plants, schools, etc.

Advantage

- Very good temperature resistance
- Low odor formulation
- Good abrasion resistance
- Very good resistance to many industrial chemicals
- Available in a wide range of colors to provide and attractive floor finish
- Highly resistant to inhibits growth of staphylococcus, E-coli, salmonella and listeria.
- Easy for maintenance
- Hygienic finish

Instruction for Use

- The surfaces to be coated should be dry, clean, free from loose materials, other contaminations as well as free from oils and fats. The prefer method is vacuum shot-blasting.
- The new concrete should be cured minimum 28 days.
- The moisture content should be lower than 4%
- The surface pull-off test strength should be more than 1.5 N/mm²
- Any crack should be repair with epoxy mortar. (Available form ACT in the name of Hydrapox 112)
- The application of Polyflex PU34 must be apply on the primed substrate (Primer also available from ACT in the name of Polyflex 035)
- Polyflex PU34 is supplied in pre-weighed packs ready to use on site.
- Stir the component A to re-disperse any settlement.
- DO NOT add solvents or thinners.
- Mix the component A and component B together in the mixing vessel using a forced action mixer or heavy duty slow speed drill fitted with a purpose built paddle until an even color is obtained.
- Add component C and mix it again until homogenous.
- The material is poured onto the primed substrate and spread to the required thickness with trowel.
- Immediately after laying, should be rolled with a spiked roller.

Characteristic

● Compressive Strength (ASTM C579)	680 ksc
● Tensile Strength (ASTM C307)	67 ksc
● Flexural Strength (ASTM C580)	230 ksc
● Bonding Strength (BS 6319 Part 4)	Concrete Failure
● Abrasion Resistance (ASTM D4060)	0.080 g.
● Pot Life @ 25 °C	15-20 min.
● Curing Time @ 25 °C	8-12 Hr.

Cleaning

The working equipment, tools etc., can be mechanically cleaned by using brushes in combination with Xylene. The cleaning should be done immediately after the completion of the work and within the pot life of the material to avoid sediments on the equipments ,tools etc

Packaging

30 Kgs./Set

Storage

In unopened packs, Polyflex PU34 has a shelf life of at least 12 months when stored in warehouse conditions below 35 °C. It should, however not be stored at very low temperatures, to guarantee a good working consistency.

Precaution

Polyflex PU34 can cause an allergic reaction after prolonged contact with sensitive skin. Therefore avoid contact with skin and use protective equipments. Rubber gloves and protective clothing are recommended. After contact with skin wash immediately with plenty of water and soap. Do not use solvents. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. Ensure good air circulation in the room.

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