



## *Polyflex 035*

### *Excellent Adhesion Polyurethane Primer*

#### **Description**

Polyflex 035 is a sprayable one-component ready to use polyurethane resin. It has excellent adhesion properties and strong rigid coating nature as well as favorable weather ability. It is especially used as primer for mortar concrete or cement concrete. It is used as a topcoat in floor materials. Polyflex 035 is a seamless floor coating material with very high elasticity for use in schools, corridors, stairways, offices, dining halls, shops, gymnasium, training rooms. It has excellent abrasion and water resisting properties.

#### **Object**

Polyflex 035 is used for primer for PU coating, PU sealant, polysulphide sealant and top coating on concrete, mortar, wood and as a sealant for protection against alkalinity of concrete. Excellent adhesion even on oily and wet surfaces.

#### Food Industry

Kitchens, refrigerating rooms, dairies, abattoirs, butcheries, meat and fish processing industries, breweries, bakeries etc.

#### Chemical industry

Laboratories, pharmaceutical plants, bleach plants, paper works, neutralization plants, sewage treatment works etc.

#### Other industries

Printing works, textile industry, leather industry, Hospitals, animal hospitals, swimming pools, showers, hotels, restaurants, schools, shopping malls, terminals, water reservoirs etc.

#### **Advantage**

- Easy to apply with brush, roller, or spray gun.
- Easy to repair
- Very good adhesion to all kinds of substrates.
- Fast-drying
- Excellent weather resistance, water and chemical hardness
- High elasticity
- Seamless floor coating prevents dust penetration
- Good anti-abrasion property
- Easy maintenance of floor

#### **Instruction for Use**

- Clean substrate by removing laitance, oil, grease and dust. Cracks should be repaired with Hydratop
- Polyflex 035 should be thoroughly stirred, preferably with a mechanical device, to ensure a homogeneous mixing.
- Polyflex 035 is to be coated evenly with brush, roller (sponge) or special spray equipment in 2 coats. Consumption is about 100 gm/m<sup>2</sup> per coat. Second overlapping coat shall be applied after first coat is tack free.
- Depending on conditions, Polyflex 035 will have cured completely within approx. 1 day of application. Protect from rain for approx. 20 minute
- Clean tools with Xylene before adhered material has hardened.

## **Characteristic**

● Appearance	Colorless transparent liquid
● Density :	0.98 kg./L.
● Thickness :	Wet – 100 µm Dry – 50 µm
● Time between coats :	1-2 Hrs. @ 35 °C 3-4 Hrs. @ 25 °C
● Full Cure :	7 Days
● Bonding Strength @ 7days :	More than concrete
● Viscosity :	100 cps
● Free NCO :	3.0
● Solid :	40 %

## **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**

16 Kg./Pail

## **Storage**

In unopened packs, Polyflex 035 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 035 can cause an allergic reaction after prolonged contact with sensitive skin. Therefore avoid contact with skin and use protective ointment. 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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