

Polyurethane Based for industrial self leveling flooring system Excellent adhesion to all construction materials



Description

CementDEC® 3K Polyurethane Based Specially formulated with cement-based mortar for self leveling flooring system. For worn and old floors Highly performance all industrial floors applications. Excellency, highly hardness and compression strength (>70 MPa)

CementDEC® 3K is recommended for conditions requiring maximum high mechanical strength and exceptional resistance to physical and chemicals; topcoat use is optional due to its incredibly smooth surface after application. if requested : We recommend our Full aliphatic water based TopcoatDEC® SF-2K as a topcoat application.

CementDEC® 3K is a non-toxic product in case of contact with food products and drinking water. It can be used indoors and outdoors – in outdoor application slight discoloration is expected. if requested : We recommend our Full aliphatic water based TopcoatDEC® SF-2K product for 100% resistance to sunlight in outdoor applications.

Important Features

CementDEC® 3K Polyurethane Based

- Fast curing
- Warm water resistance (80 °C - 100 °C).
- Excellent biological and chemical resistance.
- Can be applied to humid substrates.
- Non-toxic
- Hygienic material
- Negative hydrostatic pressure resistant.

Packaging Types

Polyurethane - Part A 3.50kg

Polyurethane - Part B 3.50kg

Cement - Part C 17kg

Features / Benefits

- Excellent adhesion to all construction materials
- High Impact Resistance
- Abrasion and Scratch Resistance
- High Chemical Resistance
- Minimal Shrinkage
- Sound, monolithic, wear resistant coat.
- Delivers a smooth surface and the use of a topcoat is optional (see above)
- Resistant to a wide range of temperature, non-combustible.

Application Areas

- Heavy duty industrial floors
- Protection of industrial floors
- In food and beverage industry
- Chemical industry floors
- Pharmacy floors
- Healthcare area floors
- Electronics store floors
- Mechanical engineering floors
- Anti-static, non-sparking, anti-slip, anti- bacterial, non-dust and decorative coatings.

Technical Data

- Potlife :** ± 25 minutes (20 °C)
- Touch Drying Time :** ± 3 hours (25 °C)
- Drying Time :** 24 hours (25 °C)
- Walkable After :** 24 hours
- Service Temperature :** (-15 °C to +100 °C)
- Mixing Ratio :** 1:1 Ratio

Consumption

- Indicatively around 2 kg/m²/mm thickness.

Application Procedure

Clean the surface using a high pressure washer if possible.

Remove oil, grease and wax contaminants. cement laitance, loose particles, mould release agents, cured membranes must also be removed.

The application surface must be dry.

Priming:

Priming is required before application water based EpoxyPRIMER® 2K.

Mixing CementDEC® 3K

Mix (Part/C cement-based mortar and Polyurethane Based part/B Blend parts for 2 minutes) and then add part A. Mix for 3 minutes until the liquid becomes homogeneous.

Use a spiral slow- speed mixer (150-200rpm).

The consistent mix must be spread up to a recommended thickness of 4-8mm as soon as the mixing is properly done.

Use steel trowel to smooth the new coating.

Use a spike roller to free the closed gases.

Cleaning

Clean your tools and equipment with Cellulosic thinner during the application phase.