

ContecTop 1231

Self-smoothing, heavy duty, solvent-free, epoxy overlay system for concrete floors

Description

ContecTop 1231 is a multi-component, self-smoothing, solvent-free, epoxy overlay system designed to provide continuous protection for concrete floors in light, medium and heavy duty applications at thickness of between 2 and 4mm or greater. The product has been successfully applied to glazed and terrazzo tiles, and steel.

Uses

ContecTop 1231 has excellent wear and abrasion resistance to floors subjected to high volume traffic in warehouses or workshops.

The smooth, ultra-dense and high gloss finish is ideal for situations requiring a hygienic, easily cleaned surface. The product offers good general resistance to a broad spectrum of chemical corrosives; but as in all cases of chemical exposure, a full analysis of operating conditions is required, followed by reference to chemical resistance data, to ensure product suitability.

ContecTop 1231 is used extensively in the following industries:

- Food production – including dairies, bakeries, and confectioneries.
- Beverage production – including soft drink manufacturing Pharmaceutical and other medical or laboratory situations.

- Engineering – including car production and aircraft maintenance units Showrooms, demonstration areas Industrial and commercial kitchens High stack warehouses.

Advantages

- Durable, low maintenance costs.
- Proven against a wide range of industrial chemicals.
- Easily applied.
- Smooth high gloss finish for hygienic
- Applications.

Properties

Pot life 20°C	65 min
Density of mixed material:	1.75 kg/L
Density of mixed resin /solvent:	1.07 kg/L
Compressive strength: DIN 1164	60N/mm ²
Flexural strength: DIN 1048	27N/mm ²
Bonding strength: DIN ISO 4624	1.5N/mm ²
Abrasion resistance:	98mg
Modulus of elasticity:	9000N/mm ²

Instructions for Use

- The preferred method for surface preparation of concrete is captive blasting, which gives a well-prepared laitance-free, vacuum cleaned surface. Other suitable methods are surface scarifying using mechanical scarifiers, such as Errut or Von Arx, high pressure water jetting or sand/grit blasting. Any damaged areas or surface irregularities should be repaired.
- Seal the concrete with **ContecTop 1201** resin diluted with 5% solvent.
- If the concrete is very absorbent, a single application may not be sufficient and a second coat may be required to ensure the surface is completely sealed.
- Allow the sealer to become tack-free before applying **ContecTop 1231**.

Mixing And Applying

Pour the reactor, base and color pack components of the **ContecTop 1231** into a suitable mixing vessel, with a capacity of not less than 25ltr. Using a suitable drill and paddle, mix the components together until a uniform color is achieved.

With the mixer still running, slowly add the **ContecTop 1231** aggregate and mix for 2 minutes or until the mixture is smooth and free of lumps.

Always keep the mixing time the same for all batches, to ensure a uniform color when the

product is applied. Part mixing of **ContecTop 1231** is not acceptable and will affect both the performance and appearance of the finished floor.

Pour the mixed material onto the primed and sealed surface and spread to the required thickness using a pin screed, notched trowel or steel float. As soon as the material has been spread to the required level, the applied material should be rolled with a spiked roller to release entrapped air and remove trowel marks. Rolling should be continued until all air is released and a uniform color is obtained.

The applied product should be rolled again after 20-30 minutes. The operator should always wear spiked shoes when using the spiked roller so that he can walk in the wet material. Rolling should cease before **ContecTop 1231** begins to gel.

Cleaning

Clean all tools and application equipment with a suitable thinner (Xylene / MEK / Acetone).

Estimating

Supply

Industrial kit : 38 kg (three components)

Component A : 9.28 kg pail

Component B : 3.72 kg pail

Component C (filler) : 26 kg bag

Coverage: **ContecTop 1231** standard pack of 38 kg will yield 21.70 L.

Shelf Life/ Storage

Store in dry conditions between 5°C and 30°C, away from sources of heat and naked flames, in the original, unopened packs. If stored at high temperatures the shelf life will be reduced. The shelf life is 12 months when stored as above.

Safety Precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until products are fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use.

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