

EUXIT 101

Description

Solvent containing, non-pigmented single component polyurethane based preparation. Hardens in atmospheric humidity.

Main Purpose

EUXIT 101 is used to impregnate, hardens, and seal cement bound surface such as concrete, flooring plaster, as well as wood for example:-
concrete roads, high-rise and underground garages, concrete parking areas, factory stores, aircraft hangers, industrial floors, parquet floors and furniture.
By virtue of its high solids content, it is especially suitable for sealing and impregnating porous concrete surfaces.

EUXIT 101 serves as primer under tar-polyurethane resins and coatings on cement bound and bitumen surfaces.

Product characteristics

EUXIT 101 is a brownish sealant, which has a low viscosity and penetrates well into the capillaries and pores of porous surfaces. When properly hardened it is a ductile elastic, highly abrasive and scratch resistant sealant. It is resistant to diluted alkalis and acids, and also to aliphatic hydro-carbons, such as petrol and oils. Sunlight causes a yellowing. However, the mechanical properties of **EUXIT 101** are thereby not affected.

EUXIT 101 is not affected by constant temperature or temperature changes between minus 30 to plus 150°C dry heat.

Technical data

Viscosity in 2 mm DIN Beaker (sec)	70-90
Specific gravity at 20 °C (g/cm³)	1.0
Solid contents (%)	50
Pot life at 10 °C (hours)	10
Pot life at 20 °C (hours)	6
Pot life at 30 °C (hours)	4
(strongly dependent atmospheric humidity)	
Minimum hardening temperature °C	0
Bone dry at 20 °C (hours)	1-4
Thorough hardened at 20 °C (days)	2

Re-workable at 20 oC (hours)	Immediately-24
Impact hardness konig (ca.sec)	150
Pencil hardness	4H
Abrasive resistance	
(Taber (CS 10/1000 U loading (mg)	15
Flash point (oC	Over 21
Risk classification	A II
Combustion group (VDE 0165)	G I
Mak value (mg/m³ air)	870
Forwarding packing regulations (EVO)	KL III a/para/3
Shelf life	Up to 1 year

Surface preparation

Cement bound surfaces should be free of loose dirt particles, oil and grease, and if possible, should be dry. Mechanical preparation is not normally required for impregnation.

Iron and steel must be free of rust and scale, and in addition, free from oil dust, grease and other impurities. If necessary, sand blast.

Asphalt must be firm, dry free of loose particles and protruding material, free from dust, oil and grease. In addition 75% of the aggregate (granulation) should lay free on the top surfaces.

Application Impregnation :

To impregnate concrete grade. BN 300, approximately 50% **EUXIT 501** thinner should be added to the **EUXIT 101** .

Material consumption 150-300 thinned **EUXIT 101**.

Depending on the absorption of the surface, the entire amount can be applied in 1-3 coating at intervals of 15 minutes (wet on wet).

Thereby the highest possible depth of penetration and evenly distributed matt top surface will be achieved. Traction grip of the surfaces will thereby insignificantly impaired.

Sealing :

Apart from the so called impregnation coatings, after 6-25 hours interval, a further coating of thinned **EUXIT 101** should be applied. Material consumption, approx. 250 g/m². Thereby an even smooth coating is achieved. The concrete surfaces will be resistant against abrasion .

Priming for jointing :

EUXIT 101 can be used as supplied for jointing on tar-polyurethane. Sufficient should be applied so that a visible film remains on the top surfaces.

Special instruction

The product contains solvents! When working in closed places, good ventilation must be provided. Keep away from open fire.

Container sizes and

EUXIT 101 is supplied in containers of 10 kg and 25 kg

Colour shades

Colourless .