

EUXIT TG 80

Description A solvent free , two component of preparation of Tar-Polyurethane base (Polyol mix with isocyanate hardener) .
A highly elastic joint filler product which corresponds to : U S federal specification SS-S 200 E-84 .

Fields of application

EUXIT TG 80 is used as a highly elastic fuel proof , jointing filler compound for expansion joints in horizontal concrete , steel or asphalt surfaces. The main fields of application are for concrete runways at airport, road construction and bridge buildings .

Product characteristics

EUXIT TG 80 is a liquefiable jointing compound on a tar-polyurethane base.

This material hardens almost without shrinkage also it attains excellent elasticity after proper hardening . It offers very slight expansion resistance and adapts itself to joints with relatively high movement , without hereby causing undue stresses on the adhesive surfaces .

EUXIT TG 80 is resistant to diluted acids , alkalis solutions , saline solutions , waste water and aliphatic hydro-carbons such as petrol , oil braking fluid. Other solvents will cause blistering .

EUXIT TG 80 is resistant to constant temperatures and temperature variations from -30 to + 120 ° C wet heat . For short periods **EUXIT TG 80** can withstand considerably higher temperatures .

Total permissible movement of the joints is approximately 25% of the joint width .

Technical Data

Specific gravity at 20oC (g/cm3)	1,40
Mix ratio (by weight)	5 : 1
Pot Life at 10oC (hours)	3
Pot Life at 20oC (hours)	2
Pot Life at 30oC (hours)	1/2
Minimum hardening temperature (oC)	5
Traversable at 20oC (hours)	4
Thorough hardened at 20oC (days)	4
Shore a hardness	10
E-module at 100% expansion at - 20oC N/mm2	0.25
E-module at 100% expansion at + 20oC N/mm2	0.1
E-module at 100% expansion at + 80oC N/mm2	0.05
Max. joint movement (%)	25
Reversible compression (%)	90
Storage life in months at 20oC	12
Complies with TT - S - 00227 t type II class A us Federal spec .	

EUXIT TG 80 is a polyurethane preparation , whereby it is somewhat reactive to moisture .Moisture from the under surface can impede the adhesion of the jointing compound to the joint faces and the reaction causes the hardener to become bubbly . Similarly , rain within a few hours of applying the jointing filler can produce a bubbling of the top surface . Afterwards this just shows as a browning , but further damage to the filler .

Surface Preparation

Cement bound surfaces should be dry , firm of good traction and free of dust and dirt particles , and additionally free from oil , grease and other impurities which can act against good adhesion .If necessary sand blast , brush or grind . Iron and steel must be rust and scale free and free from oil , dust ,grease and other impurities . If necessary sand blast .

Asphalt should be firm , dry , free of dirt particles and extrusions from the asphalt , dust , oil and grease . In addition , at least 75% of the additives (granulation's) lay clear of the top surface . If necessary , cut the joints or sand blast .

Application

-Underlining the joints with compatible joint filler compound , preferably round closed pore compound , pre-line and fix on the correct joint depth.

The most compatible joint filler compound , preferably round closed pore compound , pre-line and fix on the correct joint depth. The most compatible are closed cell polyethylene foam or joint varns (from rubber) as used in road construction.

-Under coat the joint faces with **EUXIT TG 80** :

Depending on the absorption of the surface a double primer at an interval of about 1/2 hour may be necessary .The primer must leave a visible film on the joint faces .Time required for drying 1-24 hours at 20oC . With asphalt, minimum time for drying is 5 hours at 20oC .

-Applying the joint filler

The properly mixed **EUXIT TG 80** should be poured into the joints .

joint dimensions and material consumption :-

The durability of a joint sealing is dependent on the right dimensions of the joint .The joint width must be so determined that the maximum potential expansion of the material does not exceed 25% of the joint considered over the long term .

Container sizes and colour shades:

EUXIT TG 80 is supplied in containers of 5 kg .
-Resin and hardener are supplied in correct mix ratios .

Color Black .