

Cipothane 30

Floor toppings

Cipothane 30 is a **two component, trowellable and self levelling, high strength screed** based on a specifically developed Epoxy-PU hybrid chemistry. Designed for excellent engineering properties, Cipothane 30 provides high compressive strength of 135 N/mm² coupled with excellent flexural strength.

Advantages :

- Low viscous
- Excellent flexural strength
- Excellent chemical resistance
- Higher compressive strength than any contemporary screeds : 135 N/mm²
- Good tensile strength

Application areas:

- Floor areas having air castor movements where higher compressive strength is needed.
- Logistics
- Airport Hangars.
- Stock yards.

Directions to use

The concrete shall be clean, dry and sound. The residual moisture should not be more than 5%. The surface must be mechanically prepared using various types of surface preparation equipments to attain a surface profile of minimum 0.5 - 1mm and expose the coarse aggregates of the concrete.

MIXING:

Important Note : Cipothane 30 is a fast curing EPU and hence a very limited pot life. Do not mix more than 2.5 kgs at a time.

Mix Part A and B in the required proportion of 100 : 25 by weight. Continue stirring for 2-3 minutes. Add FQ sand 1000 to the stirring mixture. Continue stirring till all the aggregates are fully wetted.

LAYING:

Lay the screed mixture to the desired thickness. Trowel to get a levelled surface. Allow to dry. Any self levelling screed or top coat can be applied over this screed.

Formulation for self levelling screed:

- Cipothane 30 : 1 part
- FQ Sand 1000 : 4 parts

Formulation for trowellable screed:

- Cipothane 30 : 1 part
- FQ Sand 1000 : 5.5 parts

Typical Physical Properties

1	Type	Epoxy - amine cured
2	Ratio of mixing (R : H)	100 : 25 by weight
3	Ratio of polymer to aggregates	1 : 4 parts by weight (Self levelling screed) 1 : 5.5 parts by weight (Trowellable screed)
4.	Viscosity @ 27° C	
	• Resin	35 - 45 seconds
	• Hardener	15 - 21 seconds
5.	Mixed Density @ 27° C	
	• Self levelling screed	2.07 gm / cc
	• Trowellable screed	2.17 gm / cc
6.	Pot life	15 - 20 minutes at 30° C (for self levelling as well as trowellable screed)
7.	Exotherm	60° C (self levelling screed) 50° C (trowellable screed)
8.	Aggregates	FQ Sand 1000 for self levelling as well as trowellable screed
9.	Shelf life	1 year in the unopened container.
10.	Clean up thinner	PUT 508

MECHANICAL PROPERTIES:

1.	Compressive strength (28 days cure)	120 - 140 Mpa
3.	Tensile strength	12-15 Mpa
4.	Flexural strength	40 -45 Mpa
5.	Linear shrinkage	< 1%