

CipogROUT 1000

CipogROUT 1000 is a 3 component, flowable high strength grout based on a special grade of epoxy resin cured with polyamine curing agent. Designed for excellent engineering properties, CipogROUT 1000 provides high bearing and ease of placeability. CipogROUT 1000 is used for grouting of large base plates and narrow configurations.

Advantages

- Low viscous
- Very low peak exotherm
- Excellent adhesion on concrete & MS.
- Free flowing
- Excellent chemical resistance
- Good flexural and tensile strengths
- Very quick setting.

Application areas:

- Machinery, equipments and structural elements that need maximum bearing support.
- Rail grouting, keyways and inverted base plates.
- Narrow clearance situations including anchor bolts.
- Large or wide plates requiring precision grouting.

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 3mm. and expose the coarse aggregates of the concrete

Mixing:

Mix Part A and B in the required proportion of 100 : 25 by weight. Continue stirring for 2-3 minutes. Add aggregates FQ sand 1000 (5.5 parts by weight) to the stirring mixture. Continue stirring till all the aggregates are fully wet.

Placement:

Pour this mix into anchor bolt holes and break out through a funnel or directly if the space permits. For grouting plates, pour grout into the head box and allow in to flow under the plate

PHYSICAL PROPERTIES

1	Type	Epoxy - amine cured
2	Ratio of mixing (R : H) by weight	100 : 25
3	Ratio of polymer to aggregates	1 : 5.5 parts by weight
4.	Viscosity @ 27° C	
	• Resin	35 - 45 seconds
	• Hardener	10 - 20 seconds
5.	Density @ 27° C	2.20 gm/cc
6.	Pack size	19.5 kgs.
7	Shelf life	1 year in the unopened container.
8	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%