



ARACONE GR45

Machine foundation grout / non-shrink free flowing grout

Description

ARACONE GR45 is supplied as a ready-to-use dry powder, require only the addition of recommended amount of water to produce a free flowing non-shrink grout. This is a blend of specially processed cement, pre-graded fillers and additives. When this material get set it will have a micro-cellular structure with high frost, fire and oil resistance. It produces high early and final strength as it require very low amount of water without anysegregation and bleeding.

Uses

- In heavy duty support beneath load bearing structure
- For transferring all operational loads to the foundation
- Grouting of base plates and bolt pockets of turbo generators, diesel generating sets, crane and transporter rails even with high wheel loadings
- In heavy reciprocating equipment's, compressors, pump sets, pulverizing mills, metal shearing
- In processing machines, steel rolling mill beds, cement, textile, granite and paperplant machinery

Advantages

- ARACONE GR45 Will continue to occupy the filled space without shrinkage
- Provide support to the bearing areas and dampens vibration
- Ensures high level of contact with load bearing area
- Complete filling to the area without voids
- Consistency and reliability ensured
- Site batching and blending variations can be reduced
- Does not cause corrosion of machine parts, anchor bolts etc., in contact with grout.

Method of application

- The substrate surface must be free from oil, grease or any loosely adherent material. If the concrete surface is defective or has laitance, it must be cut back to a sound base.
- The concrete surface should be make wet several hour before grouting and immediately before grouting takes place any free water should be removed with particular area care being taken to blow out all bolt holes and pockets.
- Base plate should be free from any oil and dust and form work should be constructed to be leak proof.

The gap width between the perimeter formwork and the plate edge should not exceed 150mm on the pouring side and 50mm on the opposite side.

Add water as per requirement between 4.5 to 4.75 liters per 25 kg bag.

Place the grout within 20 minutes of mixing to gain full benefit of the expansion process.

Start curing when grout reaches 'touch-hard' and cure properly for at least 7 days.

Technical Information

Properties	Results
Appearance	Grey colored powder
Density	2100 to 2150 Kg/m ³
pH Value	7 to 8
Compressive strength @W/P 0.19 (IS 4031: part 6)	>10 N/mm ² @ 1 days >35 N/mm ² @ 7 days >45 N/mm ² @ 28 days

Flow characteristics

Grout consistency	Maximum flow distance (mm)	
	Gap width (mm)	Head 100 (mm)
Flowable	20	1000
	30	3000

Curing

- Normal good curing practice should be adopted.

Packaging

- ARACONE GR45 is supplied in 25 Kg bags.

Storage

- Minimum of 6 months shelf-life if kept under room temperature (i.e. 27°C).

REDWOP CHEMICALS PVT. LTD.

Head office: 2nd Floor, Pearl plaza Complex, B/S GT Sheth School, Near KKV Hall, 150ft Ring Road, Rajkot- Pin.360005 Gujarat, India.

✉ info@redwop.net

🌐 www.redwop.net

☎ +91 97246 55551

☎ +91 281 2576664