



ABAGROUT-HR200

PREPACKAGED NON-SHRINK HEAT RESISTANT CEMENTITIOUS GROUT

ABAGROUT-HR200 is a non-shrink and highly flowable cementitious ready-mix mortar with significant performance in facing high temperatures. This specially formulated material with 5mm maximum aggregate size, can obtain high mechanical properties, therefore it is the best choice for installation of base plates of heavy machineries which will face high temperatures up to 200 °C. It is recommended to apply ABAGROUT-HR200 up to 100 mm.

It can be checked for requirements of the following standards:

ASTM C1107, EN 1504

FIELD OF APPLICATION

- Installation of heavy machinery subjected to static and limited dynamic loads and facing high temperatures
- Installation precast columns & Anchor bolts
- Installation projects in heavy industries such as steel, cement, oil factories, petrochemical, refineries, mining and metallurgical works, etc.
- turbines, generators, compressors, diesel engines and other power station equipment, which are subject to high vibrations
- Grouting up to 100 mm

ADVANTAGES

- Excellent heat resistance
- High resistance to oil derivatives
- Non-shrink (develops a controlled expansion that compensates undesirable shrinkages)
- High initial and final mechanical strengths
- High performance properties such as high strengths & high durability
- Excellent slump retention which provides extra working time
- High early strength and fast loading capability
- Premixed grout, requires only the addition of mixing water on site

SURFACE PREPARATION

Surfaces should be clean sound and free from oil, grease, laitance and loose particles. Metal surfaces should also be clean and free of rust, oil, grease and contaminants.

The prepared areas should be flooded with water prior to the placement of ABAGROUT-HR200 before the grout is placed. All free water should be released from the area to be grouted. There should be NO standing water present when the grout is placed.

MIXING

ABAGROUT-HR200 should be mixed using a suitable mixer. For flowable consistency use a band drill and paddle with a speed of <400 R.P.M. For large works use a high shear vane grout mixer. (Drum mixers are not recommended).

The entire contents of the bag should be added to the pre-measured (2.250-3.000 liters) water while mixing. It is recommended to use minimum water that is enough for achieving flowable mixture and should prevent from adding extra water.

DO NOT add more than the maximum water content.

APPLICATION

Ensure the substrate is prepared according to the manufactures recommendations.

Grouted free surface should be limited to 10cm. It is recommended to prevent grouting when weather is windy and also prevent from direct sunshine.

NO free water should be present in the area to be grouted. Ensure that there are sufficient air release holes for entrained air to escape.

Mortar should be continuously poured, from one side only, until the gap is completely filled. Maintain continuous head of grout when pouring.

CURING

It is necessary to cure exposed areas of grout with humidified method for at least 7 days.

PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Cementitious powder

Color: Gray

Water by weight of grout: 9 – 12 %

Specific gravity of fresh mortar: $2.40 \pm 0.1 \text{ g/cm}^3$

Max. aggregates size: 5 mm

STORAGE

Shelf life: 1 year in the original package

Storage condition: should be protected from direct sunlight and moisture. Store bags between +10°C and +30°C

Packing: 25kg bags

HEALTH AND SAFETY

This product does not contain any substances hazardous to human health and the environment. However, it should not be swallowed and contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water. ABAGROUT-HR200 is not flammable.

For further information refer to the material safety data sheet. MSDS is available at ABADGARAN website.

TECHNICAL SERVICE

The ABADGARAN INTERNATIONAL GROUP Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

**Aydin Cure Yakuplu Mah. Hürriyet Bulvarı, Skyport Sit. No: 1 / 80 Beylikdüzü / İSTANBUL Tel: +90 212 876 89
69 Beylikdüzü V.D.: 147 072 63 73 Mersis No: 0147072637300001**

**www.AydinCure.com
info@AydinCure.com**