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PRODUCT DATASHEET

APT NS GROUT

Pumpable- Multi-purpose shrinkage compensated, Cementitious Grout

DESCRIPTION

APT NS Grout is a non-shrink, self-levelling, pre-mixed cementitious grouting mortar with extended working time to suit local ambient temperatures.

WHERE TO USE

Recommended for filling of voids and cavities in anchoring and concrete repair applications and bearing pads.

SOME APPLICATIONS EXAMPLE

- Repair of concrete structure by form and pour or pressure grouting methods.
- Anchoring of columns and posts.
- Filling of rigid joints between elements in concrete and precast concrete structures.
- Grouting of machine baseplates and bridge bearings.

RECOMMENDATIONS

Do not add cement or additives to **APT NS Grout**.

Do not add water when the mix begins to set.

Do not apply **APT NS Grout** at temperatures below +5°C.

TECHNICAL CHARACTERISTICS

APT NS Grout is a preblended powdered grout composed of high strength cement. When mixed with water, **APT NS Grout** is transformed into a highly fluid grout with good pumping properties that can fill narrow, intricate spaces without segregation.

- Good flowability
- Excellent impermeability to water
- Excellent adhesion to steel and concrete
- Excellent resistance to dynamic mechanical stress
- Good dimensional stability
- High strengths, adjustable consistency
- No bleeding
- Non toxic, non corrosive
- Ready and easy to use
- Impact resistant



PREPARING THE GROUT

Pour up to 80% of the required water (see APPLICATION DATA) into a clean container and slowly add **APT NS Grout** while mixing continuously.

Add the remaining water as necessary to achieve the desired mix. Mix for 1-2 minutes, making sure to scrape free any powder left sticking to the sides of the container. Remix for another 2-3 minutes until a fluid homogeneous paste is obtained.

According to the quantities to be prepared, a grout mixer or a mechanical mixer can be used - paying careful attention to avoid the formation of air bubbles.

Do not mix by hand. After mixing, stir gently with a spatula to remove entrapped air.

APPLICATION

In general, pour or pump **APT NS Grout** from one side only in a continuous flow to avoid the formation of voids and to facilitate the discharge of entrapped air.

- **For formwork repairs**, it is necessary to make breather holes for air discharge. The formwork must be water-tight and firmly supported in place.
- **For large area applications**, for example in machine base grouting, make sure enough material is prepared for grout placement in an uninterrupted operation. It is not necessary to vibrate the grout mechanically; to facilitate the filling of spaces that are particularly difficult, use a wooden stick, steel bar or steel chain as appropriate.

PRODUCT INFORMATION

| | |
|---------------------------------|---|
| Packaging | 25 kg/bag |
| Shelf Life | Unopened packaging for 12 months |
| Storage | Keep in unopened, undamaged original packaging and protected from direct sunshine in dry condition. |
| Consistency | Powder |
| Color | Grey |
| Dry Solid Content (%) | 100 |
| Chloride Ion Content (%) | absent |



APPLICATION DATA

| | |
|--|------------------|
| Color of the mix | Grey |
| Mixing Ratio, water + 25 kg bag of APT NS Grout: | 3.75 to 4.25 ltr |
| Temperature Rate (-C) | +10 to +40 |
| Consistency | Powder |
| Color | Grey |
| Max: Diam. of aggregate (mm) | |
| Dry Solid Content (%) | 100 |
| Chloride Ion Content (%) | absent |
| Pot Life (min) | 60 |

COMPRESSIVE STRENGTH: (16% OF WATER)

| | |
|---------------|--------|
| 1 Day | 30 Mpa |
| 7 Day | 61 MPa |
| 28 Day | 68 Mpa |

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