

DENKA SUBSHOT MORTAR-N

Premixed Spray Mortar for Wet / Dry Process

Description

DENKA SUBSHOT MORTAR- N is a pre-mixed sprayed mortar with dust-suppression functionality; effectively controlling dust emissions and improving construction work environment. **DENKA SUBSHOT MORTAR-N** is to be used in conjunction with a liquid accelerator (e.g. **DENKA NATMIC AF-S**) and requires a system equipped with mixing and pumping equipment; preferably with separate inlets for water and liquid accelerator

Features

- Fast setting, early strength
- Minimized dust generation and rebound
- Excellent compressive strength, bond strength and flexural strength
- Excellent resistance to inflow
- Compact system design
- Ease of operation; versatility with different equipment
- Suitable for both wet and dry shotcreting

Applications

- Stabilizing and strengthening in mining
- Tunnel repair
- Support for small cross-section tunnels
- Slope stabilization
- Reinforcement for unconsolidated ground
- Ground support after TBM excavation

Packaging

- **DENKA SUBSHOT MORTAR-N** :25kg bag
- **DENKA NATMIC AF-S** :260kg drum

Shelf Life

- 6 months from production date
- Determine the production date by reference to the lot number. A lot number of "1AXXX" corresponds to production in Jan 2001; "2BXXX" to Feb 2002 and so on.

Physical Properties

| Initial setting (min) | Compressive strength (N/mm ²) | |
|-----------------------|---|--------|
| | 12h | Day 28 |
| < 10mins | 10 MPa | 35 MPa |

Mixing Procedures

Dry process

Pump mortar to nozzle and introduce both water and **DENKA NATMIC AF-S** through separate inlets at the nozzle for mixing.

Wet process

Premix the powder and water, then pump the mixture to the nozzle, introduce **DENKA NATMIC AF-S** at nozzle

Mix design for Dry Process

| | |
|------------------------------|--------------------------|
| DENKA SUBHOT MORTAR-N | : 25kg |
| Water | : 12% ~ 14% (3 ~ 3.50kg) |
| DENKA NATMIC AF-S | : 2% ~ 4% (0.5kg ~ 10kg) |

Spraying Placement

Spray continuously and uniformly to the required thickness. Multiple layer spraying is not recommended.

Yield & Coverage

- 12.8 litre per bag (depending on water addition)
- 0.25m² per bag at 50mm thickness

Figures above are arbitrary. Actual coverage will depend on site and surface conditions.

Handling Precautions

- Refer to the Safety Data Sheet (SDS) before use.
- Wear protective gear (goggles, mask, gloves, and rubber boots) while handling the product. Do not dispose of the product in drains.
- Once opened, the product should be used up completely. Otherwise, reseal for storage.
- The product should be stored in a dry area, indoors, and out of direct sunlight.
- For further information, please contact DENKA.

Limitation of Liability

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