

Repair Mortar-NS Fine

Fine Grade , Polymer Modified Cementitious Repair Mortar

DESCRIPTION:

Repair Mortar- NS Fine is a cementitious polymer modified mortar composed of high resistance cements, fume fillers and special additives. It is designed to give thin layers to produce a fair faced appearance to concrete or masonry surfaces. When mixed with water, the product becomes easily workable mortar that could be applied both horizontally and vertically with thickness 1-4 mm.

USES:

Repair Mortar- NS Fine can be used for :

- Fair faced concrete repair
- As a thin layer render
- To produce a uniform surface for subsequent paint finish
- Repair for brickwork, cement plaster and precast concrete.
- For crack filling.
- As a skim coat for pin holes and minor honeycombed.

FEATURES AND BENEFITS:

- External and internal use
- Excellent workability.
- Non-shrinkage material.
- High bond strength ensures excellent adhesion.
- Increased freeze/thaw resistance
- Requires only on site addition of water
- Smooth, easily producing fair faced finish
- After hardening, it creates an impermeable layer, resistant against atmospheric gas, frost and thaw cycles.
- Resistant against salts, chloride and chemical attack.

SURFACE PREPARATION:

- Areas to be repaired must be perfectly cleaned, free from dust, inconsistent parts, traces of form stripping oils, efflorescence, rust etc
- All loose and deteriorated concrete shall be removed by mechanical means.
- Saturate the surface with water prior to application then allow surface to dry.

MIXING & Installation:

- For each 20kg bag of **Repair Mortar- NS Fine** , add 7.0 -7.5 liters of water.
- Mix the ingredients using a suitable electrical drill for 3-4 minutes or until a uniform lump free homogeneous mixture is obtained.
- Allow the mortar to mature for 1 min prior to pouring.
- **Repair Mortar- NS Fine** can be applied by steel trowel. The mixed mortar can be applied to the prepared substrates at thicknesses between 1 and 4 mm.
- As soon as the **Repair Mortar- NS Fine** has started to set it can be sprayed with small amount of water onto the surface prior to final smoothing.
- Cure **Repair Mortar- NS Fine** with clean water for three days by spraying twice a day.

RECOMMENDATIONS :

- Do not mix the product with dirty or salty water.
- Use of the material in temperatures outside the recommended range, as well as excessive use of water may compromise the qualities of the mortar.

TECHNICAL DATA

Type of cement	ASTM C150 TYPE I
Appearance	Gray / white powder
Max. aggregate size	0.1 mm
Density	1.8 kg/L (dry) 1.6 kg/L (wet) for 35-38% water demand
Compressive strength ASTM C109	>3 Mpa at 1 day >10 Mpa at 7 day >15 Mpa at 28 day
Flexural strength ASTM C348	> 2.5 Mpa at 28 day
Adhesive strength ASTM D 4541	>1 Mpa at 28 day on concrete surface
Chloride content	Nil
Shrinkage	Nil
Pot time	1 hours

CLEAN UP INSTRUCTIONS:

Clean all tools and surrounding areas and surfaces immediately with water, ensuring no waste or contaminated water ends up in drains or waterways.

PACKAGING:

- 20 kg bags

SHELF LIFE / STORAGE:

- Factory packed bags of **Repair Mortar- NS Fine** carries a shelf life of 12 months, if stored in cool & dry place. However, as temperature, humidity, water addition & other parameters vary from site to site , the information should be treated as a general guideline.

ENVIRONMENTAL & SAFETY

PRECAUTIONS:

- The product **Repair Mortar- NS Fine** contains cement which reacts as alkaline with water and perspiration, and may cause allergies and/or irritation.
- Always wear appropriate personal protective equipment for eyes and skin (protective clothing, gloves and goggles).
- If skin contact occurs, flush with plenty of clean water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- For further information consult the mortar Material Safety Data Sheet.