



TECHNICAL DATA SHEET

ADD-M1

WATER IMPERMEABILITY MORTAR ADDITIVE

DESCRIPTION:

Chlorine-free, liquid, water impermeability additive which reacts with cement and aggregate in concrete and cementitious mortars to fill capillary gaps

APPLICATION AREAS:

Used to provide water impermeability and to improve workability features of cement based plaster, screed and concrete mortars which are readymixed or prepared by mixing cement and aggregate.

ADVANTAGES:

- * Provides high water impermeability to cementitious mortars and concrete.
- * Does not affect setting time of cementitious mortars and concrete.
- * Improves workability of cementitious mortars and concrete.
- * Improves strength of cementitious mortars/concrete against freeze and thaw.
- * Chlorine free, no corrosive effect, no damage to the reinforcement.

SURFACE PREPARATION:

Application surface should be clean, sound and free from dust. Adhesion barrier materials (oil, dust, etc.) should be cleaned, cement-mortar residues should be scraped. Smooth surfaces should be notched. Proper surface preparation should be done to smooth or water-absorbent surfaces by proper primer application (PRIMER-PL, PRIMER-ST or ADD-LATEX-water-cement-aggregate primer mixture). Proper surface preparations should be done in accordance with the mortar to be used with ADD-M1. If there are water leaks, the leakage should be stopped, water level should be lowered.

PRODUCT PREPARATION:

ADD-M1 is mixed with clean water at a ratio between 1:8 to 1:10 (approx. 3% to 4% of the binder amount) depending on usage. Cementitious dry mixture is added on prepared ADD-M1/water mixture by sprinkling. Blended by a low speed mixer up to ensure that there are no lumps in it.

APPLICATION METHODS:

- * Usage With Dry Readymix Cementitious Mortars:
Dry readymix product is added on ADD-M1/water mixture prepared with a ratio 1:10. Drymix and ADD-M1/water mixture ratio should be in accordance with the ratio given in "TECHNICAL DATA SHEET" of the drymix product. Mortar is blended by a lowspeed mixer and applied through it's "TDS".
- * Usage With Plaster Prepared By Mixing Cement & Aggregate:
Plaster mortar prepared with ADD-M1 is applied in 3 or 4 layers depending on the amount of water pressure and type of construction. ADD-M1/water mixture prepared at 1:10 ratio is mixed with cement/aggregated dry mixture prepared at a ratio according to the usage. Mortar mixed so that no lumps are left. If aggregate is wet, ADD-M1/water ratio should be increase to 1:7 or 1:8. Between each application layers it should be waited until the subsurface starts to dry (at least 4 hours). Each layer is applied with a thickness of at least 5 mm by a steel trowel. In order to increase the adherence between the layers (especially after 2.nd layer), PRIMER-PL or a thin layer of cementitious mortar prepared with only water should be applied. As final layer, a cement/aggregate dry mixture with a ratio of 1:1 should be prepared only with water. Prepared mortar should be applied as the final layer by a wooden trowel.
- * Usage With Screed Prepared By Mixing Cement & Aggregate:
After proper primer application, screed application is made in 2 layers; 1st adhesion layer, 2nd main floor layer. 1st adhesion layer should be minimum 10 mm thickness and leveled by steel trowel. 2nd main floor layer should be minimum 30 mm thickness and leveled by a wooden trowel after tamping.
- * Ambient and surface temperature should be between +5°C and +30°C during the application.
- * Ensure that the products used in the application (aggregate, cement, readymix mortars, etc.) are suitable and non-expired.
- * Any extra water or ADD-M1 should not be added in the prepared mortar.
- * Hardened mortar should not be used by mixing with extra ADD-M1 or water.
- * Should not be applied on unsound and loose surfaces.
- * Surface should be protected from airflows and sudden temperature-humidity changes during and after the application.
- * Mortar should not be applied on frozen, melting or within 24 hours danger of frost surfaces.

SHELF LIFE:

Unopened original packages can be stored in dry (%60 R.H.) and cool (+5°C / +25°C) environments up to 12 months.

NUR KİREÇ SAN. TİC. VE PAZ. LTD. ŞTİ.

Güzel Cumhuriyet Mah. Çimento Bulv. No:23 PK: 01965

Yüreğir/Adana/Türkiye

"NUR YAPI KİMYASALLARI"

Mortar Additive For Water Impermeability

Appearance

Yellow liquid

Density

1050 ± 50 g/L

pH

9 - 11



GHS07

H335: *It may cause respiratory irritation.*

P305+ *In case of contact with eyes, rinse carefully with water*

P351+ *a few minutes. If available and easy, remove contact lenses.*

P338: *Continue rinsing.*

