

LUZAR MORTAR ADDITIVE 30

Mortar additive super-plasticizer for underfloor heating.

DESCRIPTION AND APPLICATIONS

Mortar additive, specific for underfloor heating:

- Fluidizer and plasticizer.
- Reducer of the mixing water, allows to achieve very compact concrete with excellent mechanic resistances and impermeability.
- Perfect covering of the tubes, without air pockets, better heat transfer tube-concrete.
- More elastic concrete, which absorb the thermal expansion without fissures.
- More impermeable and longer during floors are achieved.
- Chloride free: not aggressive to plastics and metals

Meets with the standard UNE-EN 934-2

PROPERTIES

Technical data:

Appearance	Transparent liquid
Color	Orange
Odor	Very light
Density (20°C)	1,14 – 1,16 kg/l
pH (1% V/V Water) 25°C	Aprox. 8
Solids content	25 ±1%
Clorides	< 0,1%

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Dosage –instructions:

The recommended dosage is **between 1% and 1,5% of the cement weight**. At hot weather conditions the dosage can be increased.

For one cubic meter, considering the typic composition of the mortar:

- 300 kg cement
- 1400 kg sand
- 103 liters water
- **3,75 kg mortar additive.**

Considering the above mentioned mortar composition, a reference value of **37,5 gr of mortar additive per m² and centimeter of thickness above the tubes can be taken.**

The addition shall be made to the previously mixed concrete, after adding the additive, the mixing has to continue, at least 1 minute per cubic meter of concrete.

The additive doesn't provoke a delayed set in concrete. The temperature during the setting shall be above 5 °C, and wind shall be avoided because it can cause the drying of the mortar producing surface cracks.

In case of producing an overdose, the setting time of the concrete will increase. During that period, the concrete shall maintain humid in order to prevent a premature drying.

In case of getting frozen, it can be used if the melting is slow and it's carefully stirred.

Although the final hardening of the concrete takes up to 4 days (depending on the conditions of temperature and humidity), the final surface (parquet floor, tiles, etc.) may not be put on the ground until the humidity value reaches aprox. 4%. For orientation, that date is reached after 28 days.

The mixing of the additive may not be compatible with the delivered mortar. In case of doubt, please consult our technical department.

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Storage:

To be stored in the original canisters, well closed and without damage. In a dry and cool place, protected from direct sun beam incident and freezing conditions in a temperature range from +5 to +30°C.

Under the before mentioned conditions the product can be stored during 10 months from the moment of being manufactured.

DELIVERY FORMS

The product is presented in canisters of 5, 10, 25 y 30 kg. For other sizes, please consult its availability.

PRECAUTIONS

The product is not catalogued as dangerous or irritating according the current legislation. Therefore special precautions are not necessary in the handling of the product.

In agreement with the good industrial practices, it is recommended to avoid the contact of the product with the eyes and the skin. Don't smoke during handling the product. Wash your hands and forearm before eating or drinking after handling the product.



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