

EMÜLZER ANTIFROST -10°C

CONCRETE ANTIFREEZE (LIQUID)

DEFINITION:

Anti-gel universal concrete additive, to prevent fresh concrete from freezing, by increasing the heat of hydration.

USAGE AREAS:

Used for concreting at low temperatures up to -10°C.
Used for concreting when frost is forecasted for the night.

TECHNICAL SPECIFICATIONS:

POS. NO	:04.613/7
TS	:11746
TYPE	:CALCIUM NITRATE BASED
FORM	:Liquid
COLOR	:Transparent or Brown
DENSITY	:1,15kg/Liter
BOME	:30
PH	:8
FREEZING POINT	:-18°C

ADVANTAGES:

It does not cause any damage for rebar because it does not contain calcium chlorure.
It is not corrosive.

APPLICATION:

Preferably antifrost -10°C is added to mixing water, or it is poured into concrete mixer simultaneously with mixing water. It is not recommended to be added to dry mixture. Subsequently, the usual process recommended for a good concrete production is carried on.
Adding antifrost -10°C provides a more plastic and fluid concrete. It becomes easier to process.
Water/cement ratio decreases. Initial strength is provided. Final pressure and tensile strength increase.
Cement, aggregate and water must be protected from freeze and there must not be any ice particles in water and aggregate. Water must be heated if necessary. The temperature of fresh concrete must not be lower than +5°C. To keep the heat hydration constant, the concrete must be covered especially at windy locations. It must not be used on thin and outdoor concrete elements.
A lowest water/cement ratio is recommended.
Portland cement must be used in production.
Wooden mould must be preferred.

COVERAGE RATE:

+5°C to -5°C; 1% of cement weight.
-5°C to -10°C; 2% of cement weight.
Using a greater amount of antifreeze is not helpful in concreting at temperatures lower than -10°C.

PACKAGING:

25 kg plastic drum
250 kg sheet iron barrel

SHELF-LIFE AND STORAGE:

Unlimited shelf-life.

WARNING AND CAUTION:

Avoid direct sunlight and heat.
Keep out of reach of children.
Avoid skin and eye contact when working with any chemicals.
In case of any contact with skin or eyes, wash thoroughly and seek medical attention. During application wear safety glasses and protective gloves.
You are requested to demand our written approval for any detail which is not clearly mentioned above.
Otherwise we disavow any responsibility for any problems which may arise.
This technical bulletin invalidates any former bulletin about this product.