BUILDING TRUST

PRODUCT DATA SHEET

Plastiretard

Set-retarding admixture for concrete

DESCRIPTION

Plastiretard is a set-retarding admixture that can be used with any concretes, screed and mortars.

USES

Setting time action:
Through its set-retarding effect, Plastiretard can be used to delay setting time of concrete.
It is particularly suitable for :
- Concreting with high temperature
- Long-duration concrete use
- Long-duration concrete transport

Improvement of the workability:
Through its plasticising effect, Plastiretard also allows a greater workability and easy implementation of the concrete.
Improvement of mechanical strengths:
Through its set-retarding effect, Plastiretard increases the long-term mechanical strengths of concrete.

FEATURES

Through its physico-chemical action, Plastiretard has the following advantages:
- It slows the start of setting and preserves the fluidity during the period of time required for placing concrete
- It improves the workability even though the quantity of mixing water is reduced
- It improves the mechanical strengths

PRODUCT INFORMATION

Packaging	1200 Kg IBC 200 Kg Drum 20 Kg Gal.
Appearance and colour	Clear Liquid / light yellow
Shelf life	12 months from the date of production, stored in an unopened packaging.
Storage conditions	Protect from direct sunlight and frost. In case of accidental frost, the product regains its original qualities once slowly thawed and re-homogenized.
Density	1.17 ± 0.02
pH-Value	10.5 ± 1
Total chloride ion content	≤ 0.1 %
Equivalent sodium oxide	≤ 6.0 %

APPLICATION INFORMATION

Recommended dosage	From 0.05 to 2.0 % of binder or cement by weight depending on the effect required. ▪ Current dosage: from 0.1 to 0.5 % ▪ A 0.5 % content may be exceeded when setting has to be slowed for a long time. In such, setting time measured on concrete is not directly proportional at the dosage of Plastiretard, the delay effect is rather exponential depending on the dosage. Tests must be made with various contents under site conditions (especially the temperature) to determine the content needed to obtain the required result.
Dispensing	Plastiretard is placed in the mixer either after it has been mixed with water or simultaneously with it.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

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