

Admix CF 105

ADMIXTURES & CONCRETE
RELATED PRODUCTS

SUPERPLASTICIZER (FOR LOW W/C CONCRETE)

PRODUCT

Admix CF 105 is a superplasticizer based on selected polymers specifically designed for use with hydraulic binders. Its particular chemical structure is remarkably efficient:

It has a strong dispersing action with the finer elements of concrete. This translates into an improvement of the workability of concrete.

Admix CF 105 is a catalyst of the hydration reactions of cement. It allows reaching higher mechanical properties.

The use of Admix CF 105 has no effect on the setting time of the concrete.

SCOPE OF USE

Admix CF 105 is recommended for all types of cement, in the following areas:

- Heavily reinforced concrete works
- Paving and industrial floor
- Ready-mix concrete
- All concrete requiring fluid consistency
- Concrete with low W/C.

CHARACTERISTICS

| | |
|------------------|-----------------|
| Appearance | Brownish liquid |
| Specific gravity | 1.15 ± 0.03 |

PERFORMANCE

Mechanical resistance

(Temperature = + 20°C)

| | 24 Hrs | 7 Days | 28 Days |
|------------------------------------|--------|--------|---------|
| CONTROL | 9 MPa | 30 MPa | 45 MPa |
| Admix CF 105 1 lit/100kg cement | 10 MPa | 36 MPa | 52 MPa |

Plasticity improvement

| | SLUMP | SLUMP GAIN |
|-------------------------------------|--------|---------------------|
| CONTROL | 70 mm | |
| Admix CF 105 1 lit/100 kg cement | 180 mm | $\Delta H = 140$ mm |

APPLICABLE STANDARD

Applicable standard: ASTM C494 Type F.

INSTRUCTIONS FOR USE

Admix CF 105 is totally miscible in water.

Admix CF 105 can be added to the concrete just before the pouring.

Mix together no less than 2 minutes before casting.

The maximum efficiency of Admix CF 105 will be determined after trial batches.

DOSAGE RATES

Range of dosing rates

From 0.6 to 2.4 kg / 100 kg cement

SPECIAL ADVICE

Maintenance of fluidity

The time during which the concrete remains fluid is variable according to the ambient temperature, consistency of the concrete mixture, and nature and content of the cement.

In-situ trial will help determine this duration.

PACKAGING

Admix CF 105 is supplied in:

Bulk

200 and 25 lit. drums

STORAGE

Admix CF 105 can be stored up to 1 year from manufacturing date under cover, out of direct sunlight and protected from extreme temperatures.

HEALTH & SAFETY

In case of frost, the product recovers its properties

Admix CF 105

after progressive thawing and homogenizing by agitation. In case of contact with skin or eyes, rinse thoroughly with water. If irritation persists, seek medical attention. If swallowed, do not induce vomiting and seek medical attention.

QUALITY STATEMENT

All our products are manufactured to comply with our internal QA/QC program and quality management system to ensure consistency and quality.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet

NOTE

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**Available only in MENA



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