

WATER REDUCERS

Master Format #: 03 30 00 03 40 00 03 70 00

EUCON™ DX

TYPE A - WATER REDUCING ADMIXTURE



EUCLID CHEMICAL

PRODUCT INFORMATION

PACKAGING

Available in bulk as well as in containers of 1000, 205 or 20 L

SHELF LIFE

1 year in original, unopened container

SPECIFICATIONS/COMPLIANCES

ASTM C494, Type A

Approved by the Quebec Ministry of Transportation

DESCRIPTION

EUCON DX is an aqueous solution of strength increasing and water reducing hydroxycarboxylic acids with a catalyst which provides a better hydration of the cementitious material. EUCON DX contains no added chlorides or chemicals known to promote the corrosion of steel.

PRODUCT CHARACTERISTICS

FEATURES & BENEFITS

- Improves finishability
- Improves workability
- Reduces segregation
- Increases durability
- Reduces water requirement
- Little to no effect on air content
- Recommended if the cement has a very low sulphate content
- Can be used in combination with superplasticizer
- Works well with pozzolan material such as silica fume, fly ash, and slag
- Recommended for concrete where increased bleeding is desirable
- Increases strength
- Reduces permeability
- Improves finished appearance
- Reduces cracking

PRIMARY APPLICATIONS

- Flatwork Concrete
- Ready mixed concrete
- Architectural concrete

PRECAUTIONS/LIMITATIONS

- Care should be taken to maintain EUCON DX above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated. Do not agitate with air or an air lance.
- Add to mix independent of other admixtures.
- In all cases, consult the Safety Data Sheet before use.
- Not W.H.M.I.S. regulated.

TECHNICAL INFORMATION

PERFORMANCE DATA

The following test results were achieved using typical ASTM C494 mix design requirements, 517 lb/yd³ (307 kg/m³) cement content and similar (± 0.5)% air content. These results were obtained under laboratory conditions with materials and mix designs meeting the specifications of ASTM C494. Changes in materials and mix designs can affect the dosage response.

Compressive Strength (MPa)

Age	Reference	EUCON DX
3 days	17.3	22.5
7 days	21.1	26.5
28 days	25.8	31.0

DIRECTIONS FOR USE

EUCON DX should be introduced in the mix a few seconds after the cementitious material and water come into contact. This will maximize the workability gain and ensure better cementitious particle dispersion. It should not be in direct contact with dry cement. Always add independently of other admixtures.

Dosage may vary from 150 - 250 mL/100kg of cementitious material, however EUCON DX has been tested per ASTM C494 Type A at a dosage of 185 mL/100 kg of cementitious material.

Because of variations in job conditions and concrete materials, dosages other than the recommended amounts may be required. In such cases, contact your local Euclid sales representative.

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