

PLASTOL 6000

HIGH-RANGE WATER-REDUCING ADMIXTURE

Euclid
Concrete
Admixtures



DESCRIPTION

PLASTOL 6000 high-range water-reducing and superplasticizing admixture is formulated using advanced polycarboxylate technology, specifically engineered for concrete to provide maximum water reduction and slump flow, while maintaining consistent air contents from initial batching to final placement. In addition, Plastol 6000 provides high compressive strengths, flexural strength, and excellent setting characteristics. Plastol 6000 can be used to reduce the total cement content and used in combination with supplementary cementitious materials. Plastol 6000 does not contain added chlorides or chemicals known to promote the corrosion of steel.

PRIMARY APPLICATIONS

- Precast/pre-stressed concrete
- Self-Consolidating Concrete (SCC)
- High slump, flowable concrete
- Low water to cement ratio concrete
- High early strength concrete
- Ready-mix concrete
- Flatwork and mass concrete
- Pervious concrete

FEATURES/BENEFITS

- Superior slump gain
- Consistent control of air content
- Improved cement hydration
- Low dosage
- Higher early and ultimate strengths
- Lowers number of rejected concrete loads
- Quicker stripping times
- Aids in concrete placement and reduces labor cost

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions:
Mix Design

	Control	Plastol 6000
Cement	517 lbs (306 kg)	517 lbs (306 kg)
Stone	1900 lbs (861 kg)	1900 lbs (861 kg)
Sand	1289 lbs (585 kg)	1289 lbs (585 kg)
Water	260 lbs (118 kg)	220 lbs (100 kg)
Dosage	—	5 oz/cwt (326 ml/kg)

Hardened Properties
Compressive Strength

	Control	Plastol 6000
1 day	1767 psi (12.4 MPa)	2742 psi (19.2 MPa)
3 day	3160 psi (22.1 MPa)	4528 psi (31.7 MPa)
7day	3810 psi (26.7 MPa)	5631 psi (39.4 MPa)

	Control	Plastol 6000
Initial Set	4:07	5:01

PACKAGING

Plastol 6000 is available in bulk, 275 gal (1041L) totes, 55 gal (208 L) drums, and 5 gal (18.9 L) pails.

SHELF LIFE

6 months in original, unopened container. The shelf life of Plastol 6000 can be longer depending on how the product is stored. The product can last longer if the product is re-circulated. Please consult a Euclid Sales Professional before using.

High-Range Water-Reducing Admixture
PLASTOL 6000

Master Format #: 03 3000

Revised: 7.08



The Euclid Chemical Company

19218 Redwood Rd. • Cleveland, OH 44110
Phone: [216] 531-9222 • Toll-free: [800] 321-7628 • Fax: [216] 531-9596
www.euclidchemical.com

An **RPM** Company



SPECIFICATIONS/COMPLIANCES

Plastol 6000 admixture currently meets the provisional requirements of ASTM C494/C494M and AASHTO M-194 as Type A & F admixtures.

DIRECTIONS FOR USE

Plastol 6000 can be added to the initial batch water or directly on the freshly batched concrete and mixed for approximately 5 minutes or 70 revolutions. However, better results have been observed batching directly on the freshly batched concrete. It should not come into contact with dry cement or other admixtures until mixed thoroughly with the concrete batch.

Dosage: The recommended dosage rate for Plastol 6000 is 3-12 oz/100lbs (195 to 780 mL/100 kg) of total cementitious materials.

For traditional precast work, dose 3 to 6 fluid oz/100 lbs of cementitious (196 to 326 mL/kg). If an accelerating admixture is to be used in conjunction with Plastol 6000, add the accelerator after the other admixtures have been dispensed.

For any concrete application including Self-Consolidating Concrete (SCC), the dosage of Plastol 6000 will vary depending on the mix design, local materials, and individual needs of the concrete producer. Trial mixes should be run to verify plastic and hardened performance with local materials. If the material gradations are not optimum for SCC, a viscosity modifier may be used to improve the quality of the mix. Please consult a local Euclid Chemical Sales Professional for trial mixtures and dosage recommendations.

Admixture Compatibility: Plastol 6000 is compatible with most admixtures including air-entraining agents, accelerators, most water-reducers, retarders, shrinkage reducers, corrosion inhibitors, viscosity modifiers, and microsilica; however, each material should be added to the concrete separately. Please contact a Euclid Sales Professional for any compatibility issues.

PRECAUTIONS / LIMITATIONS

- Care should be taken to maintain Plastol 6000 above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated.
- Do not agitate with air.
- Add to concrete mix independent of other admixtures.
- In all cases, consult the Material Safety Data Sheet before use.

WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.