

Product Data Sheet
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 Plastocrete® N

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Waterproofing Admixture

Description	An admixture in liquid form that acts both as a highly efficient plasticizer and waterproofing agent. Plastocrete N complies with ASTM C494 Type A
Uses	Plastocrete N is recommended for use in structural and mass concrete, particularly water-retaining structures such as: <ul style="list-style-type: none"> ■ Reservoirs and dams ■ Sewage works ■ Canals ■ Culvert tunnels ■ Water tanks, swimming pools And wherever waterproof concrete is required.
Advantages	Plastocrete N provides the following properties: <ul style="list-style-type: none"> ■ Improved workability without increased water content ■ Easier compaction leading to denser concrete and superior finish ■ Increased strength and durability ■ Reduced shrinkage ■ Improved water-tightness ■ Increased cohesiveness ■ Chloride free, does not attack reinforcement
Product Data	
Form/Colour	Liquid / Brown
Packaging	5 / 25 / 200 litres drum
Storage	Dry, cool, shaded place.
Shelf Life	Min. 1 year if stored properly in original unopened packaging



Technical Data

Base	Blend of Lignosulfonates
Specific gravity	1.170 – 1.190
Chloride content	Nil
Application	
Dosage	0.30 – 0.50 ltr per 100 kg of cement
Typical dosage	<i>In a watertight, retarded concrete for Ready Mix Concrete:</i> Plastocrete N: 0.4 – 0.5 l per 100 kg of cement Sikament 2000AT or Sikament R4: 0.6 – 0.8 l per 100 kg of cement
Compatibility	Possible to combine with all Sikament, Plastiment, Sika Aer, Sika Pump, Sikacrete PP1, but must be added separately to the mix and not pre-mixed prior addition.
Cement types	All Portland cement including sulfate resistant cement
Dispensing	Plastocrete N is either added to the gauging water prior to its addition to the dry concrete mix or added separately to wetted concrete mix, further mixing should take place for at least 1 minute per m ³ .
Overdosing	When overdosed, setting time will be extended, depending on cement content and temperature. Final strength will be not impaired.

Notes on application/ limits	<ul style="list-style-type: none"> ■ Trial mixes are recommended to establish exact dosage rates required to suit individual requirements. If assistance is required, please contact the Sika Technical Service Department. ■ Accurate dispensing equipment can be supplied by Sika Ltd. Vietnam ■ Use an appropriate mixer and do not mix by hand ■ Curing treatment - use of Sika curing compounds to cure concrete is advisable
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Health and Safety information

Ecology	Do not dispose into water
Transportation class	Non-Hazardous
Waste disposal	According to local law
Important notes	Avoid contact with foodstuffs and utensils. Avoid prolonged skin contact. In the event of contamination wash thoroughly with water. If the eyes or mouth are affected wash with clean water and obtain medical attention immediately.

Disclaimer

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Sika Limited (Vietnam)
 Nhon Trach 1 Industrial Zone,
 Nhon Trach Dist., Dong Nai Province
 Tel: (84-61) 3560 700 Fax: (84-61) 3560 699
 www.sika.com.vn, sikavietnam@vn.sika.com

