

Expanding and plasticising
admixture for cementitious

grout

fs. Expand Aid

About this product

Adogrout is a chemical composition form which includes an expanding medium and plasticising agent. The expanding medium generates gas during the hydration process counteracting natural settlement and plastic shrinkage and leaving a slight residual overall expansion. Expansion takes place before initial set and a built in delaying action allows time for placing and compaction.

Features and benefits

- Provides a positive expansion to ensure permanent high bond to all contact surfaces.
- Improved flow properties with lower water/cement ratio for easy placement.
- Lower water/cement ratio to ensure higher compressive strength and lower permeability.
- Homogeneous mix, free from bleeding and segregation.
- Absence of corrosion and rust staining as the product is iron free.
- Non chloride admixture.

Mixing

The cement should be thoroughly mixed dry together with Adogrout, the gauging water should then be added to obtain the required consistency, keeping the mix as dry as possible consistent with placing conditions. Mixing should be carried out in a forced action grout mixer. For smaller quantities mixing can be by slow speed (max. 500 rpm) drill with suitable grout paddle. After mixing for a minimum of 3 minutes, material should be placed as soon as possible.

Packaging and supply

Adogrout is normally supplied in 20kg pail. However, 200gm sachet packaging can also be arranged. Please contact our sales representative for further information.

How to use

Adogrout is formulated to be used at a rate of 200gm per 50kg of Ordinary Portland Cement. Dosage at such level will typically produce an unrestrained expansion of 0.5% to 1.5%, if tested to ASTM C827 "Change in Height at Early Ages of Cylindrical Specimens from Cementitious Mixtures".

Storage

Adogrout should be stored in cool dry place in unopened condition. Shelf life in correct storage conditions is approximately 18 months.

Typical properties

Description	Control specimen	Adogrout specimens	
		Mix A	Mix B
Proportion of mix :-	O.P. Cement	50 kg	50 kg
	Adogrout	Nil	200 gm
	Water/cement ratio	0.45	0.45
Typical results :-			
Expansion (ASTM C827)	-0.5%	+0.85	+1.0%
Flow, % of control specimen	100%	125%	110%
Compressive strength (ASTM C109), % of control specimen	100%	100%	115%

Precautions

Operative should wear protective clothing and work in well ventilated conditions. If the product enters the eye, wash thoroughly with clean water. If discomfort continues, seek medical advice.

Technical Service

We can provide technical service at the specification stage and/or during application through our Technical Department or Laboratory. Detail specification or further information can be provided for specific projects or more general works. Site visits and on-site demonstrations can be arranged on request.

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To the best of our knowledge and belief, the information contained in this leaflet is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Test results shown reflect typical figures based on laboratory testing under

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