



## UCOGROUT-ADR

EG-133

### Super Plasticizing Expanding Grout Additive

#### Product

UCOGROUT-ADR is a single pack powder for expanding cementitious grout additive which, when added to cement or sand/cement produces non-shrink free flow high strength grout.

#### Composition

UCOGROUT-ADR is composed of a blend of super plasticiser and expansion agent with suitable filler to ensure proper mixing.

#### Description

UCOGROUT - ADR is an admixture for cementitious grouts designed to provide a reduced water cement ratio and positive expansion

#### Technical Data

Form .....Grey Powder  
SP gravity..... 1.6  
Free expansion.....up to 4%  
Chloride..... Nil

#### Advantages

- Higher strength and increased durability
- Free Flowing grout with low W/C ratio
- Positive expansion leads to superior bonding to surrounding materials
- Chloride-free, Iron-Free
- Eliminates Shrinkage
- Easy placement
- Ready to use and economical

#### Purpose

UCOGROUT-ADR is ideally suited for grouting and infilling jointing where free flowing, shrinkage compensating material is required.

Imparts water reducing and positive expansion properties.

#### Where to Use

Duct grouting, Bed grouting, Infilling and Joint filling, Pre-cast concrete units, Grouting of voids, in structural members, Normal repair work.

Typical Strength Development of 1:1 sand / Cement Mix

Water/Cement Ratio	Compressive Strength N/mm <sup>2</sup>	
	7 Day	28 Day
0.43	40	51
0.58	28	43

#### Method of Use

Surface Preparation:

The surface should be sound, clean, free from contamination, carefully pre-wet the surface any excess water should be removed prior to grout application.

UCOGROUT-ADR should be added to the pre-mixed sand/cement and the mixed material gradually added to the water and mixed thoroughly by mechanical stirrer for at least 3 minutes.

Place the grout within 20 - 30 minutes of mixing. Adequate provision for air pressure relief should be made when constructing formwork. The pouring side should be raised by means of a hopper or grout box to maintain a minimum of 150 mm head of grout at all times.

#### Dosage

225 gm / 50 kg cement

225 gm of UCOGROUT-ADR when added to 50 KG O.P.C. will require approximately 20 litres of water, the yield of grout being about 25 litres, with a 1:1 sand / cement mix the same amount of UCOGROUT - ADR is required per 50 kg, OPC and addition of similar quantity of water results in a yield approx. 55-58 litres.

For leaner grout mixes where the aggregate /cement ratio exceeds 1:1 then 2 packs of UCOGROUT-ADR should be used for 50 KG OPC.

#### Packing

225 gm, 1 and 10 KG

#### Curing

Protect any exposed grouts from severe weather conditions during the early stages of cure by the use of hessian or by curing agent.

#### Storage

- UCOGROUT-ADR has a shelf life of 12 months from the date of manufacturing, if stored as per manufacturer's instructions & in manufacturer's original unopened packing.
- Keep away from direct sunlight and store in dry & shade.
- Protect from freezing and moisture.

#### Handling Precaution

- UCOGROUT-ADR is an industrial chemical; required handling precautions should be followed.
- UCOGROUT-ADR is non-flammable and doesn't contain any flammable ingredient.
- UCOGROUT-ADR is non-hazardous, however inhalation of its dust particles should be avoided. Use of facemask is recommended.
- Prolonged contact with skin should be avoided. Use rubber gloves and boots, when working overhead, goggles should be worn.
- Contact with eye should be avoided. If in contact with eye, wash with water and take medical advice immediately.

#### Important Note:

All products should be used in accordance with manufacturers instructions. Every effort is made to ensure that the information is reliable, however we do not accept any responsibility for any work carried out with our material(s) as we have no control over the method(s) used for application, site conditions, weather conditions, etc.

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**MARKETING**

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#### Marketed by:



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