



## Technical Data Sheet

### ADMIX 100

#### Expansive and plasticizing grout Additive

#### Description

**ADMIX 100** is a pre-packed powder consisting of selected admixtures and expansive material where a low water to cement ratio and positive expansion are required

The addition of **ADMIX 100** to grout mixes produces a high flow, non-shrink, and non-segregated grout.

#### Applications

**ADMIX 100** designed for use in the following applications:

- Bed plate grouting.
- Duct grouting.
- Non-shrink infilling grouts.
- Post tensioned cables.

#### Advantages

- **Non-Shrink:**  
Gaseous expansion system compensates for plastic shrinkage and settlement in cementitious grouts.
- **High Flow:**  
Excellent grout fluidity at reduced water to cement ratio, for ease of placement or injection.
- **Durability:**  
Low water to cement ratio ensures low permeability and long term performance.

#### Technical properties

|                                                       |          |
|-------------------------------------------------------|----------|
| <b>Color</b>                                          | Grey     |
| <b>Expansion Characteristics:<br/>to ASTM C827-87</b> | up to 6% |
| <b>Chlorine</b>                                       | Nil      |



#### Method of use

Proposed mix

| <b>ADMIX 100</b> | OPC  | Sand | Water | yield |
|------------------|------|------|-------|-------|
| 227gm            | 50kg | -    | 21±2  | 35ltr |
| 227gm            | 50kg | 50kg | 23±2  | 55ltr |

Note: For grout, mortar or concrete mixes with an aggregate cement ratio more than 1, use 4 x 227gm units of **ADMIX 100** per 100kg of cement.

#### Mixing

- To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used for quantities up to 50kg.
- High shear vane mixer is required when mixing large quantities.
- The required water content should accurately measured and added into the mixer.
- Slowly add the cement (and sand if required) and **ADMIX 100**.
- Mix for 5 minutes or until smooth even consistency is achieved.

#### Disclaimer:

We hope that the information herein will be helpful. The data is based upon knowledge considered to be accurate and true and is offered for the user consideration, investigation and verification in the application intended. We do not warrant the results or performance attained due to the nature of the influence of other constituent components in the application.



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##### Placing and Finishing

Enough materials should be available to achieve continuous fill and to complete the work.

Pouring of the mixed grout should be started from one side only to avoid air entrapment.

Areas to be grouted should be clean, sound and must be pre-wetted with clean water.

The mixed grout should be placed within 20 minutes of mixing to gain the full benefit of the expansion process.

Care should be taken to keep the unrestrained surface areas of the grout to a minimum.

#### Curing

Grouts mixed with **ADMIX 100** are a cementitious based, they should be treated in a similar way to concrete.

Curing can be conducted by either using concrete curing compound or by using wet hessian and polyethylene.

#### Storage

**ADMIX 100** has a shelf life of 12 months if stored at temperatures between 5°C and 35°C in original unopened bags.

#### Cleaning

All tools should be cleaned immediately after application using fresh water. Hardened materials should be cleaned mechanically.

#### Packaging

**ADMIX 100** is packed in 15 kg bag

#### Cautions

##### Health and safety

**ADMIX 100** is of low hazard and may cause irritation to skin or eyes.

In case of accidental contact with skin or eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

#### Fire

**ADMIX 100** is non-flammable.

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| <p style="text-align: center;">E n v i r o c o n   C o n s t r u c t i o n   P r o d u c t s   L L C</p>  <p><b>Envirocon Construction products L.L.C.</b><br/> <b>Abu Dhabi U.A.E.</b><br/> <b>P.O.Box :28577</b><br/> <b>Tel:+971 2 5503473</b><br/> <b>Fax:+971 2 5503474</b><br/> <b>www.enviroconcp.com</b></p> |
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