

# DURA BUILD CARE PVT. LTD.



AN ISO 9001 : 2008 COMPANY

*“Quality, Integrity Assured.”*

## DURA EV

Expanding / Plastering Grout Admixture / Non-shrink Polymer Grouting Compound.

### Description :

**DURA EV** is a specially formulated product in powder form. **DURA EV** is incorporated in neat cement or cement / sand grout mixes to develop non-shrink property. It is an excellent tested product for incorporation in injection / high pressure grouts.

### Uses :

It is extensively used to grout pre-stressed cable ducts, rocks, soil, anchoring, bearing plates, pre-placed aggregates, tunnel lining. It greatly assists any work involving the injection of a neat cement or cement / sand grouts or polymer cement slurry.

### Features :

- ❖ Compensates plastic shrinkage and natural settlement in cement grout.
- ❖ High fluidity and cohesion with low w/c for easier placement.
- ❖ Provides low permeability through reduced w/c.
- ❖ Chloride free – no corrosion of steel.
- ❖ High reliable quality – produced under rigid quality control.

### Application :

For quantities up to 50 kg a slow speed drill fitted with a high shear paddle is suitable. High shear vane mixer is needed for larger quantities. Gentle agitation and labour availability is essential to carry out the grouting operation continuously and maintain fluidity of grout.

**DURA EV** is added to neat cement or cement / sand grout @ 250gm / 50 Kg bag cement. **DURA EV** is dry mixed with cement and then water may be added to it to make sure smooth even consistency is obtained. Around 10 to 15% water reduction is possible on using **DURA EV**.

Areas to be grouted should be prepared to ensure substrates are clean, sound, and then pre-wetted. The unrestrained surface area of the grout must be kept to a minimum. **DURA EV** mixed fluid grout should be used within 20 minutes to gain the full benefit of the expansion process. Water curing needs to be carried for exposed areas not to be cut back.

Overdosing with **DURA EV** may result in more expansion but causes frothing.

## Technical Data :

Form : Powder

Bulk Density : 1350 Kg/M<sup>3</sup>.

Expansion (linear) : Upto 5% with specified dosage

Cement Compatibility: Compatible with all type of Portland cement.  
Not compatible with High Alumina Cement.



Dosage :

<i>OPC</i>	<i>Sand</i>	<i>Water</i>	<i>DURA EV</i>	<i>Yield (Approx)</i>
50 kg	-	20-22 liters	250 g	35 liters
50 kg	50 kg	22-24 liters	250 g	55 liters
Sand : OPC >1		Use 4 x 250 g or 1000 g Dura EV/ 100 kg OPC		

Shelf Life : 12 months if kept in original packing under shed.

Packing : 40 X 0.25 Kg in card board box  
20 X 0.50 Kg on card board box

Cleaning equipments : Use clean water after immediate use. Remove cured material mechanically or use **Duraklen CA**.

Health & Safety : Non-toxic. Non- flammable.  
In case of contact with eyes/skin rinse with copious quantities of water.

## Additional Information :

Our technical service team is available for on- site assistance and advice in using all our products. A very wide range of our products like waterproofers, plasticizers, superplasticisers, accelerators, retarders, air entrainers, mould release agents, curing compounds, grouting products, anchor products, bonding agents and repair materials is available for all round solution of civil / construction problems.

**IMPORTANT:** Though the product may change with some code as suffix or addendum to the principal or original name out of some minor adjustment and fine tuning in the formulation due to our continuous research and development but shall exhibit the stated properties with more improvement.

**WARRANTY:** Our high potency products are manufactured under stringent National/International Quality Standard specifications and guaranteed against any manufacturing defect. Suggestions and recommendations are made here based on our most practical experience and exposure over 25 years in the field and are believed to be most appropriate and correct BUT no liability can be accepted by us, as the conditions of use of such products are beyond our control.

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●WATER PROOFERS ●POLYMER MODIFIED FOR CEMENT ●ADMIXTURE/PLASTICISER ●EPOXY PRODUCTS ●EPOXY BONDING AGENT ●  
●FLOORING COMPOUNDS ●GROUTING COMPOUNDS ●REPAIR MATERIAL ●CURING COMPOUNDS ●TILE ADHESIVE & GROUT ●

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