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a.b.e.® Construction Chemicals

**dura.®slurry**

## CEMENTITIOUS WATERPROOFING SLURRY

### DESCRIPTION

**dura.®slurry** is a ready-for-use (just add water) Portland cement based waterproofing slurry. It consists of a blend of cements, graded quartz and active chemical constituents. It is supplied as a fine, grey powder.

### USES

**dura.®slurry** is an economical, easily applied method of providing a permanent waterproof skin on concrete, plaster and brick surfaces. It may be used on both new and existing structures on either the positive or negative side.

**dura.®slurry** is recommended for:

- Foundations
- Basements
- Tunnels
- Supporting walls
- Dams
- Reservoirs
- Ponds
- Pools
- Silos
- Sewage plants
- Underground structures

### TYPICAL PHYSICAL PROPERTIES

Appearance	Fine powder, which is somewhat hygroscopic
Bulk density	1.1 Kg/L
Service temperature (fully cured)	-40°C to 80°C
Colour	Grey
Physiological effect	As cement

### ADVANTAGES

- Easy to use
- Economical
- Wide range of applications

### SURFACE PREPARATION

**dura.®slurry** is designed for use on porous, absorbent surfaces. Highly porous surfaces such as common bricks should be plaster rendered before waterproofing. All surfaces must be clean and sound. They must be free of laitance, shutter release oil, dust, loose particles and any other foreign matter including fungal growth.

Large cracks and honeycomb should be given a thin coating of **dura.®slurry**, mixed as described in this data sheet. They should then be filled with 3:1 - 4:1 sand/cement mortar prior to applying the overall **dura.®slurry** system. Floor/wall joints should be cut sand/cement mortar, prior to applying the **dura.®slurry** system.

### BONDING/PRIMING

No primer required.

### MIXING

**dura.®slurry** only needs the addition of water to be ready for use. Gauge **dura.®slurry** with water to produce a viscous, creamy consistency viz. 1 volume clean water to 2,25 – 3 volumes **dura.®slurry** (7.5 to 9.5 litres of water to 25Kg bag of **dura.®slurry**).

Mixing may be done by hand or mechanical mixer and should be continued until an homogeneous, lump-free product results. In manual mixing, lumps may be broken down with the gloved hand. On completion of mixing, material must be used within 30 minutes. Never attempt to reconstitute by further dilution, mixed material that has become too stiff to apply.

### COVERAGE

1. Waterproofing **externally** against damp earth and moist ground. 2 COATS using 2-3 kg/m<sup>2</sup>
2. Waterproofing **internally** against rising damp or up to 1m head of underground water. 2 COATS using 4-5 kg/m<sup>2</sup>. Treated floor surfaces must be protected against subsequent traffic with a cement rendering.
3. Waterproofing **internally** to retain water as in reservoirs. Waterproofing **externally** against more than 1 head of underground water; water pressure; surfaces below the water table; earth covered slabs. 3 coats using 6-7kg/m<sup>2</sup>

## APPLICATION

Any surface to be treated with **dura.®slurry** must be fully saturated beforehand, preferably the day before.

Surfaces such as floors must be free of ponded water and verticals must be free of water running down the face.

Apply **dura.®slurry** by hand using either a medium-hard block brush.

Treatment must be applied in two or three coats. A second coat must be applied as soon as the first coat can no longer be disturbed by brushing. If a third coat is required it must follow within 24 hours, with the surface having again been pre-dampened.

The final coat of a system must be applied by brush and left as smooth as possible.

## CLEANING

Tools, brushes and mixing equipment should be cleaned immediately after use and before material has set with **abe® super brush cleaner** followed by washing with soap and water.

## PROTECTION ON COMPLETION

**dura.®slurry** may be over-painted with high quality PVA/ acrylic paint.

## TEMPERATURE AND RELATIVE HUMIDITY

Do not apply if temperature is below 5°C.

## MODEL SPECIFICATION

Cementitious waterproofing slurry for reservoirs, dams, basements, silos and sewage plants.

The waterproofing compound will be **dura.®slurry**, a single-component, accordance with the recommendations of **a.b.e.® Construction Chemicals**. The slurry will have a bulk density of 1,1 kg/L.

## PACKAGING

**dura.®slurry** is supplied in 25 kg polyethylene lined paper bags.

## HANDLING & STORAGE

This product has a shelf life of six months if kept in a dry cool place in the original packaging. In more extreme conditions this period might be shortened.

## HEALTH & SAFETY

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The safety data sheet is available from your local **a.b.e.® Construction Chemicals** sales representative.

## IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **a.b.e.® Construction Chemicals** endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot - because **a.b.e.®** has no direct or continuous control over where and how **a.b.e.®** products are applied - accept any liability either directly or indirectly arising from the use of **a.b.e.®** products, whether or not in accordance with any advice, specification, recommendation or information given by the company.

## FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements. **a.b.e.® Construction Chemicals** has a wealth of technical and practical experience built up over years in the company's pursuit of excellence in building and construction technology.

