



a.b.e.[®] Construction Chemicals **dura.[®]proof**

CONCRETE AND MORTAR WATERPROOFER

DESCRIPTION

dura.[®]proof is an additive containing fine particles which combine with the lime in the cement to form water-repellent particles. These obstruct the capillary action within concrete.

USES

All types of cements (except aluminous).

- Concrete for foundations under the water table.
- Concrete for reservoirs and tanks.
- Sealing grout for tanks.
- Concrete and mortar in regular contact with water.

ADVANTAGES

- Enhances the waterproofing qualities of concrete, mortar and plaster.
- Does not modify the characteristics of fresh concrete.
- Does not affect the compressive strength of concrete.

MIXING

Stir well before use.

COVERAGE

Dosage: 1L/50kg (pocket) of cement.

DOSAGE

1 to 3,5kg each 100kg of cement. A 1.5% dosage of the product to the weight of cement is commonly used

APPLICATIONS

dura.[®]proof is completely miscible in water. It must be added to the mixing water. The optimum dosage of **dura.[®]proof** can only be established after trial tests, taking into account local conditions affecting the workability of the mix and the mechanical properties required from the concrete.

TYPICAL PHYSICAL PROPERTIES

Consistency	Liquid
Density (typical)	1,00 g/m ³ ± 0,01
Colour	Iridescent blue
pH	8,5 ± 1
Freezing point	About -1°C
Cl ions content	Nil to BS 5075
Na ₂ O equivalent	≤ 0,1%
Dry extract	6% ± 0,6%

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

The newly applied mortar/concrete must be kept damp for at least five days to promote good curing.

TEMPERATURE AND RELATIVE HUMIDITY

Do not apply concrete if temperature is below 5°C.

MODEL SPECIFICATION

A chloride-free, water-reducing additive to reduce the water absorption qualities of all concrete, mortar or plaster. The additive will be **dura.[®]proof**, a chloride-free, water-reducing admixture applied in accordance with the recommendations of **a.b.e.[®] Construction Chemicals**. The admixture will comply with the requirements of ASTM C494F and PTV 500.

PACKAGING

dura.[®]proof is supplied in 1L, 5L and 25L containers

HANDLING & STORAGE

This product has a shelf life of 12 months if kept in a dry cool place in the original packaging. In more extreme conditions this period might be shortened.

HEALTH & SAFETY

dura.®proof should not be allowed contact with skin and eyes. Avoid inhalation during mixing by wearing masks. The use of gloves, eye protection and masks is advised. Splashes into eyes should be washed immediately with plenty of clean water and medical advice sought thereafter.

CONFORMITY

dura.®proof is a superplasticiser for high performance concrete which conforms to NF-EN 934-2. **dura.®proof** conforms to ASTM C 494-F and Belgian PTV 500. All the constituents of **dura.®proof** are authorised according to the French regulations to be used in the fabrication of concrete and mortar products that come into contact with potable water. A copy certificate of conformity is available.

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.



a.b.e.® is an ISO 9001:2008 registered company
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