



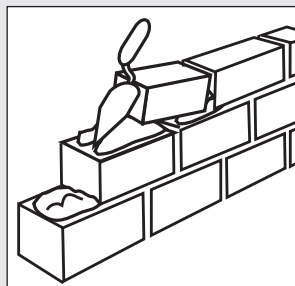
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DO-IT-YOURSELF

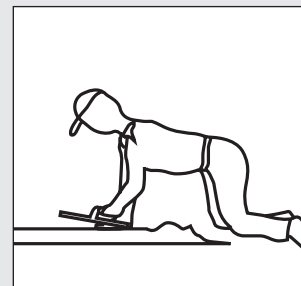
MORTAR AND SCREED IMPROVER AND ADHESIVE



As an admixture



For mortar



For floor screeds

DESCRIPTION

dura.latex is a synthetic resin polymer which is supplied as a ready to use liquid. It is designed to improve the qualities of site batched cementitious mortars and slurries. Being resistant to hydrolysis, it is ideal for internal and external applications in conjunction with cement.

USES

- Improving adhesion of thin section cement patches, mortars and screeds to their substrates.
- Improving tensile and flexural strengths of sand/cement mixtures thus permitting thinner than usual layers.

Note: **dura.latex** is **not** a concrete structural adhesive. In such cases use **epidermix 344**.

ADVANTAGES

- Single component liquid can be easily gauged as required.
- Improves cohesion and workability.
- Improves mortars to provide waterproof repairs, renders and toppings that are highly resistant to freeze/thaw cycling.
- Improves tensile and flexural properties allowing thin applications.
- Excellent bond to concrete, masonry, stonework, plaster and blockboard.
- Contains no chlorides.
- Can be applied to damp substrates.

COLOUR



PHYSICAL PROPERTIES

Consistency	Liquid
Density	1.00 g/cm ³
Tensile strength improved by ±40% and flexural strength by ±45% using 3:1 sand cement mortar.	

SURFACE PREPARATION

Any surface to be screeded, plastered or patched must be clean and sound. It must be free from grease, oil and any other foreign matter. Laitance, dust, loose particles and any spalling or flaking surface must be removed.

Porous surfaces such as concrete and brickwork must be thoroughly dampened to kill suction. Soaking should continue for some 12 hours prior to an application being made. At the time of the application no free water or ponding must be present on the surface.

BONDING/PRIMING

The gauging liquid consists of equal volumes of **dura.®latex** and clean potable water. Adhesive slurry is made from equal parts of clean dry sand (up to 3 mm particle size) and ordinary Portland cement. These are dry mixed and then gauged with sufficient gauging liquid to give a viscous but easily brushed consistency. The slurry is brushed well into the pre-dampened substrate using a stiff broom or brush.

MIXING

Stir well before use.

COVERAGE

Dependant on application and thickness of application.

As an adhesive slurry: ±500 ml **dura.latex**/m² (figures are approximate as quantity of **dura.latex** used to produce workability will depend on variations in mix's water demand).

As a mortar or cement screed the following ratios of **dura.latex** apply:

- 1.50 L **dura.latex**/m² @ 12 mm thick.
- 1.75 L **dura.latex**/m² @ 15 mm thick.
- 2.00 L **dura.latex**/m² @ 20 mm thick.
- 2.25 L **dura.latex**/m² @ 25 mm thick.
- 2.50 L **dura.latex**/m² @ 30 mm thick.

APPLICATION

Production and placing of mortar

The gauging liquid composition will vary depending upon the thickness of the mortar layer to be placed. Mortars up to 12 mm thickness are gauged with 1 volume **dura.latex** to 1 volume water.

Mortars between 12 – 20 mm thickness are gauged with 1 volume **dura.latex** to 2 volumes water. Mortars exceeding 20 mm thickness are gauged with 1 volume **dura.latex** to 3 volumes water. Mortars are ideally mixed in a pan mixer and mixing time should not exceed 2 minutes to keep air entrapment to a minimum.

A mortar is made from 2 to 4 volumes of dry aggregate – not exceeding maximum 3 mm particle for plasters or 8 mm particle for screeds – dry mixed with 1 volume ordinary Portland cement.

This mix is then gauged with the appropriate gauging liquid to produce a stiff but workable material – a so-called earth damp consistency. The mortar is applied to the still wet slurry, consolidated, levelled and smoothed following good plastering or screeding practice. Finishing is made easier if tools are wetted from time to time with **dura.latex**.

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/MAINTENANCE ON COMPLETION

The newly applied mortar must be protected from rain, direct strong sunlight and wind since too rapid drying will produce shrinkage, cracking and reduce cohesion. The newly laid surface must be kept damp for at least five days to promote good curing of the Portland cement.

PACKAGING

1 L, 5 L, 25 L and 200 L containers.

HANDLING AND STORAGE

Shelf-life of 24 months, but shorter if in extreme conditions. Keep tightly sealed in a dry cool place in the original packaging.

CAUTION

dura.latex is not a concrete structural adhesive. In such cases use **epidermix 344**.

HEALTH AND SAFETY

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

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