

LIMELITE EASY-BOND

IDENTIFICATION

Introduction:

Limelite Easy-Bond is a pre-blended, dry powder keying aid for Portland cement based plasters, renders and screeds, designed to improve adhesion to smooth and/or dense substrates. The use of **Limelite Easy-Bond** will minimize the risk of sulphate attack on plasters and renders from contaminated substrates. **Limelite Easy-Bond** requires only the addition of water on site prior to brush application as bonding slurry.

Authority:

Refer to BS 4049. Use in accordance with the relevant recommendations in BS 5492, BS 5262 or CP 204.

DESCRIPTION

Composition and manufacture:

A blend of sulphate-resisting Portland cement with an ethylene/vinyl acetate redispersible, copolymer powder and water retention aids; **Limelite Easy-Bond** is manufactured to ensure consistency.

DENSITY

	Kg/m ³
Dry Powder as supplied	approx 1200
Wet Mixed	approx 1600

APPEARANCE

Dry powder as supplied:	Fine, grey, cement-like Powder
Wet mixed:	Grey, glutinous slurry

PERFORMANCE

Strength:

Fresh 1 : ½ : 4½ cement : lime: sand plastering mortar was applied to cured, smooth, limestone aggregate concrete with prior brush application of a bonding slurry as noted; adhesion was tested by a direct pull off method, dry adhesion after 28 days cure at 65% R.H., wet adhesion after 21 days cure 65% R.H., followed by 7 days water immersion.

Bond Strength (N/mm²)

	Dry	Wet
Limelite Easy-Bond	1.26	0.92
PVA emulsion/cement	0.73	0.07

EFFECT OF TEMPERATURE

High:

The polymer component of **Limelite Easy-Bond** will burn in a fire. Under normal service conditions however, the organic content of standard two coat plasterwork on a **Limelite Easy-Bond** membrane will be lower than 0.5% for lightweight plasters, and less than 0.2% for dense renders. This will be concentrated at the plaster/substrate interface and will therefore not affect the surface spread of flame characteristics of the plaster. Furthermore, by providing a degree of flexibility at the interface, a **Limelite Easy-Bond** membrane will help to prevent cracking and loss of adhesion due to thermal stresses.

Low:

Limelite Easy-Bond is unaffected, either in the unused powder form, or when set and cross linked, but avoid application on to frozen substrates, or when the air temperature is approximately 3°C or below.

EFFECTS OF CHEMICALS

Do not introduce additives, or contaminate with chemicals or other bonding admixtures. When applying over treated backgrounds, e.g, dry rot fluid, ensure that any solvents or dilutents have evaporated.

COMPATIBILITY

Limelite Easy-Bond is compatible with most building materials. The high cement content inhibits rusting of metal conduits etc, and, as the material is ammonia free, corrosion of copper fittings will not occur.

Do not apply **Limelite Easy-Bond** to plasterboard or similar paper faced boards. **Limelite Easy-Bond** is ideal for fixing beads, stops etc for Portland cement plasterwork and rendering.

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DURABILITY

When correctly applied **Limelite Easy-Bond** will last indefinitely.

SETTING/DRYING TIME

Approximately 15-20 minutes depending on the porosity of the substrate. Cement based plasters, renders and screeds **MUST** be applied to the **Limelite Easy-Bond** membrane whilst it is still tacky.

APPLICATIONS

Uses:

Limelite Easy-Bond is designed for paint brush application as a slurry to dense, smooth and/or low suction substrates to ensure a good adhesion and key of cement based plasters, renders and screeds. (It can also be applied with a Tyrolean Machine).

Economics:

When mixed with approximately 2½ litres of water, 5kg of **Limelite Easy-Bond** applied with a paint brush will cover 12m² – 18m².

SITE WORK

Storage:

Providing containers remain unopened, the shelf life is in excess of one year. Once opened, the containers may be resealed and kept for up to six months providing the unused material has been kept dry.

Preparation:

Ensure that all substrates are free from dust, loose particles, efflorescence, mould, oil or release agents.

Work Planning:

Mix and apply only the amount of **Limelite Easy-Bond** that can be followed by the first coat of plaster or render within the open time (tack time) of **Limelite Easy-Bond** (normally 15 minutes).

On areas of concrete exhibiting high suction, or when in doubt, try a small test panel of **Limelite Easy-Bond** to determine the open time.

Mixing:

Mix by hand in a bucket, adding clean water gradually while stirring until a glutinous slurry is obtained. The normal water requirement is approximately 2½ litres per 5kg container.

The pot life is in excess of the open time on the substrate, but the bucket should be cleaned out

before the **Limelite Easy-Bond** has hardened, as set material is very difficult to remove.

Application:

Apply evenly with a paint brush, or similar, to the substrate using long, sweeping strokes. The application will tend to produce a stipple key effect which further strengthens the bond. Follow **immediately** with the first coat of plaster or render. Best results are obtained by applying a tight coat then turning back and floating out with the same mix. Where thickness in excess of 12.5mm are required, key the tight coat with a comb and allow to set and dry before applying the floating coat.

NB: On well aligned, smooth, dense concrete, recommended total thickness of plasterwork including the finish, is 8.5mm.

Cleaning Up:

At the end of work, wash out brushes and buckets with clean water. Set material is very difficult to remove, so spillages should be cleaned up as they occur.

HEALTH & SAFETY

See Separate data sheet reference 84/6A.

QUALITY CONTROL

All CMS Pozament products are factory blended, tested and packaged to quality control procedures in accordance with BS EN ISO 9001 Series.

PRICES & CONDITIONS OF TRADING

Prices will be quoted on application. All quotations given, orders placed and materials supplied are subject to Limited Conditions of Trading – copies available on request.

PACKAGING & AVAILABILITY

5kg re-sealable plastic buckets.

Limelite Easy-Bond is sold through approved builders' merchants or direct to site for bulk loads/contracts.

For ordering contact: 01283 550060.

Fax: 01283 550486.

For all other enquiries contact: 01283 554800.

NB: Please give not less than 48 hours notice.

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