

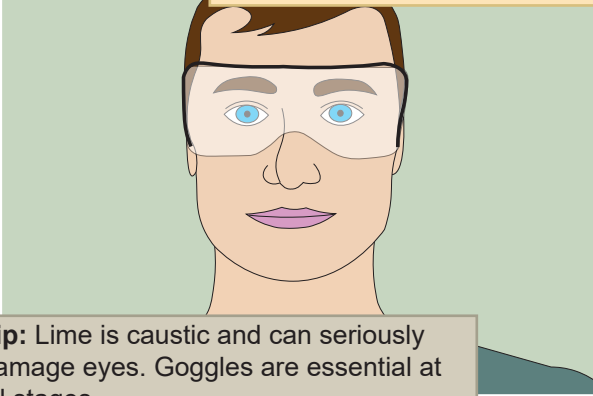


## Cork Internal Wall Insulation - Quick Application Guide

TO BE READ IN CONJUNCTION WITH FULL APPLICATION GUIDE, MATERIAL TECHNICAL DATA SHEETS AND MATERIAL SAFETY DATA SHEETS WHERE APPLICABLE - See [www.lime.org.uk](http://www.lime.org.uk) for all TDS & MSDS.

### 1 Preparation

**IMPORTANT:** Protect your eyes with safety glasses (ones with sides) and keep eyewash close to hand!



**Tip:** Lime is caustic and can seriously damage eyes. Goggles are essential at all stages.

### 2

**IMPORTANT:** Wear gloves and cover skin. Lime burns are gradual (i.e. you don't feel them at the time) but can be very serious so PPE is essential.



**Tip:** Thin, disposable gloves are easiest to work with.

### 3

Remove and loose any crumbling material. Particularly any cementitious or gypsum based materials



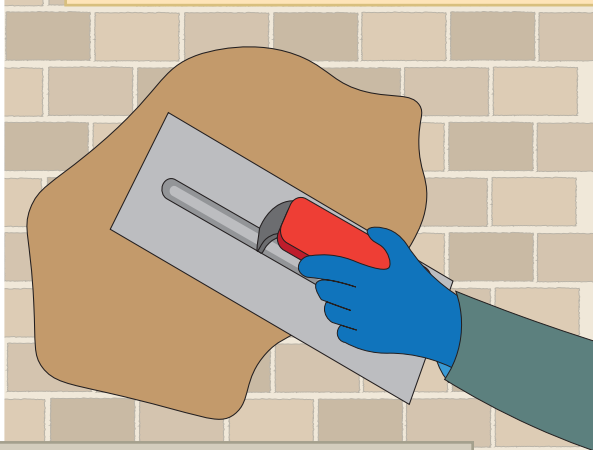
### 4 Application

Thoroughly dampen the surface before applying the levelling coat or adhesive mortar (to ensure moisture isn't absorbed too rapidly.)



### 5

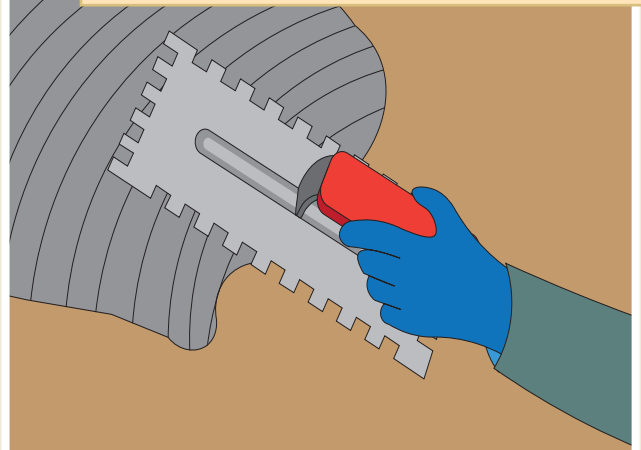
Apply levelling coat of fibred NHL3.5 plaster in even 10mm coats.



**Tip:** Allow to cure until knuckle hard.

### 6

Apply combed coat of **Isovit E-Cork** Adhesive Mortar with 10mm notched trowel.





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Apply **EcoCork** boards onto the **Isovit E-Cork** Adhesive Mortar. Secure with two fixings to the middle of the board.



**Tip:** Work from the base upwards, joints must be staggered.

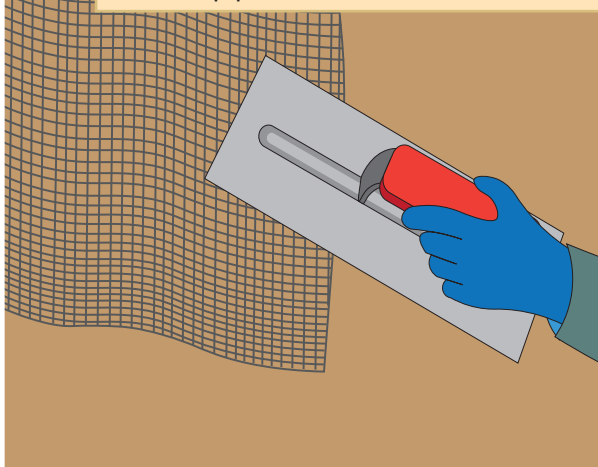
8

Complete fixings. Apply first coat of **Tŷ-Mawr Lime Hemp Plaster** approx 6mm.



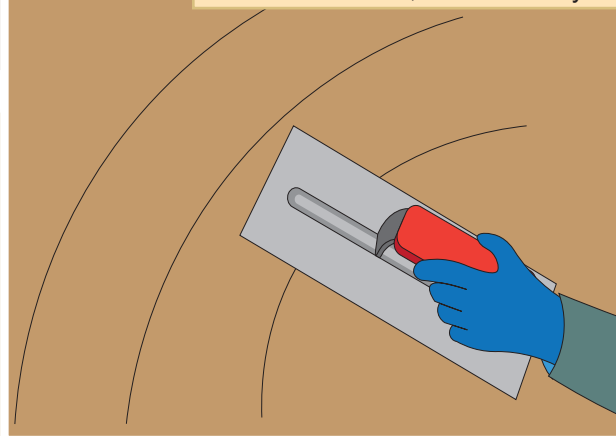
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Trowel or brush mesh into the first coat of lime hemp plaster.



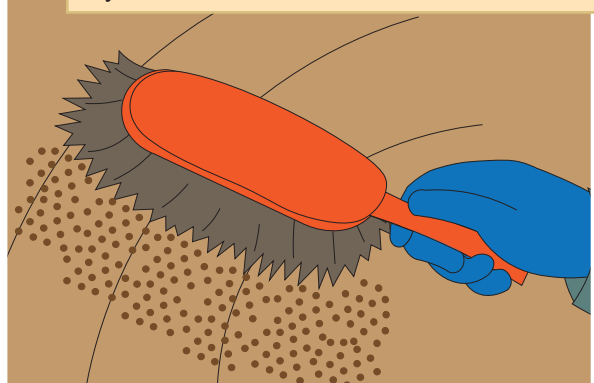
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Apply further **Tŷ-Mawr Lime Hemp Plaster** to cover the mesh, to an overall thickness of 9mm, the same day.



11

Once "stiffened up" brush surface to provide key for final coat.



**Tip:** Plaster should be too firm to dent with a knuckle but soft enough to mark with a finger nail.

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### Finishing Options

- Internal Finish Plaster - 3mm
- 50/50 Mix of Fine Hemp and Super Fine Internal Finish plaster - 3mm - 6mm
- Fine Hemp Plaster - 6mm

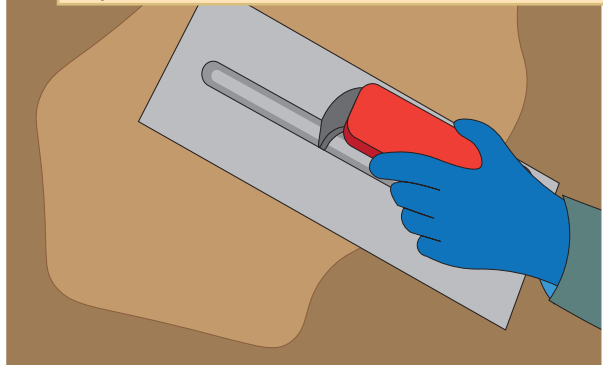


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- 13** Apply final coat as per Finishing Options. **Tŷ-Mawr Lime Finish Plaster** and **50/50 Mix** can be applied in two passes. **Tŷ-Mawr Lime Hemp Plaster** in a single pass. Trowel/ sponge as required.

- 14** Apply a breathable paint such as **Earthborn Clay Paint** or **Graphenstone** - See below!



The application of lime plaster is more involved than using conventional plaster. It is highly recommended to use a builder experienced in the use of lime plaster or at the very least you should get some practical experience e.g. on a course, as it is not possible to cover every point in detail here. However, if you need further guidance after following the advice given, please contact our Product Support Team at [tymawr@lime.org.uk](mailto:tymawr@lime.org.uk) or 01874 611 350.

### Available Paint Finishes



**Graphenstone  
Ecosphere**



**Graphenstone GCS**



**Beeck's Insil**



**Earthborn Clay  
Paint**



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### Common Mistakes/ Troubleshooting

If you are experiencing problems (cracking, crumbling, dusting, failure) - please refer to our trouble shooting section on the website [www.lime.org.uk](http://www.lime.org.uk) for possible causes and preventative and remedial actions.

### Approximate Coverage Rates

**Isovit E-Cork** - A 20kg bag will cover 6m<sup>2</sup> at 6mm thick

**Tŷ-Mawr Lime Hemp Plaster** - 20kg wet mix will cover 1m<sup>2</sup> at 15mm or 2.5m<sup>2</sup> at 6mm

- 20 litres of dry mix will cover 1.2m<sup>2</sup> at 15mm or 3m<sup>2</sup> at 6mm.

**Expanded EcoCork Cork** - 20mm - 7.5m<sup>2</sup> per pack

40mm - 4m<sup>2</sup> per pack

60mm - 2.5m<sup>2</sup> per pack

80mm - 2m<sup>2</sup> per pack

100mm - 1.5m<sup>2</sup> per pack

120mm - 1m<sup>2</sup> per pack

140mm - 1m<sup>2</sup> per pack

160mm - 1m<sup>2</sup> per pack

See our quantity calculator on [www.lime.org.uk](http://www.lime.org.uk) for assistance with calculating the quantity as well as the type of materials you may require.

### Protection of Work

Please refer to full application guides, material technical data sheets and material safety data sheets for protection of work guidelines.

### Storage

For storage guidelines please refer to full application guides, material technical data sheets and material safety data sheets for protection of work guidelines.

### After Care

Your finished lime plaster will care for your building for years to come as well as helping to control the humidity of the internal environment. It gives a beautiful finish that no modern plaster can replicate. We highly recommend that you finish it with a vapour permeable and preferably a natural paint, your choice will depend on the level durability vapour control and required aesthetic.

*For further information about the whole subject and illustrated diagrams of lime plastering and pointing techniques, see The Lime Handbook now available to order on [www.lime.org.uk](http://www.lime.org.uk)*

### Health and Safety Information



#### Warning

Skin Irritation 2 H315 - Causes skin irritation

STOT SE 3 H335 - May cause respiratory problems



#### Danger

Eye Damage 1 H318 - Causes serious eye damage

#### Precautionary Statements

**P102** Keep out of reach of children

**P280** Wear protective gloves, eye protection/face mask.

**P305 + P351 + P310** If in eyes rinse cautiously with water for several minutes and immediately get medical assistance.

**P352 + P352** If on skin, wash affected area part immediately with plenty of soap and water.

