



Woodfibre 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 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

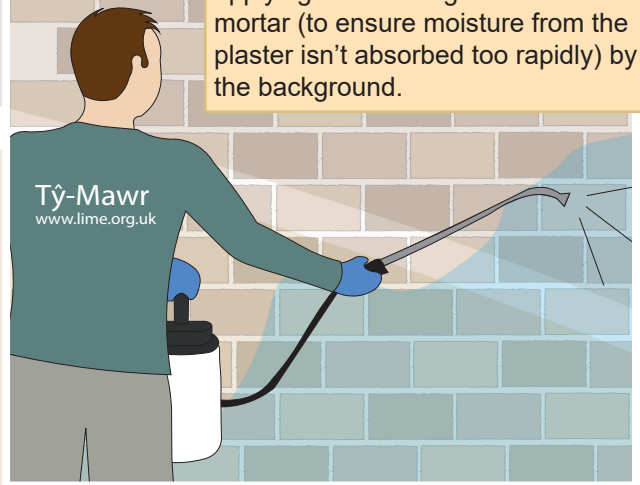
3

Remove any loose any crumbly 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 from the plaster isn't absorbed too rapidly) by the background.



5

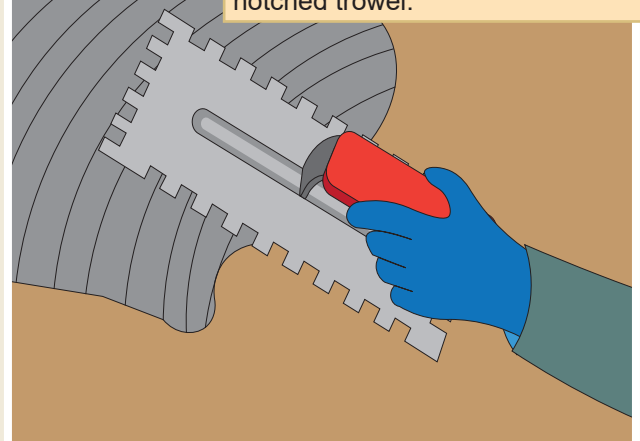
Apply levelling coat of Fibred NHL 3.5 plaster in even 10mm coats.



Tip: Allow to cure until knuckle hard.

6

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

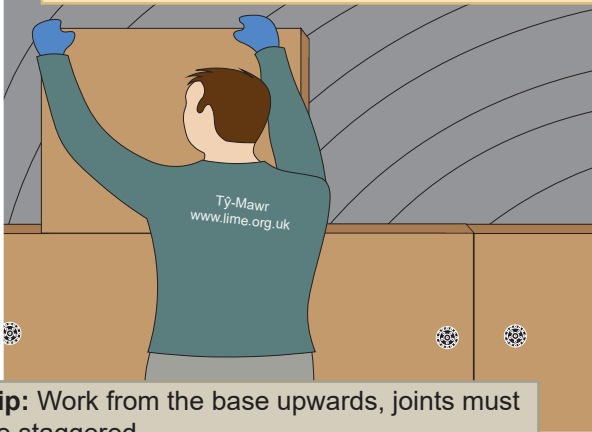




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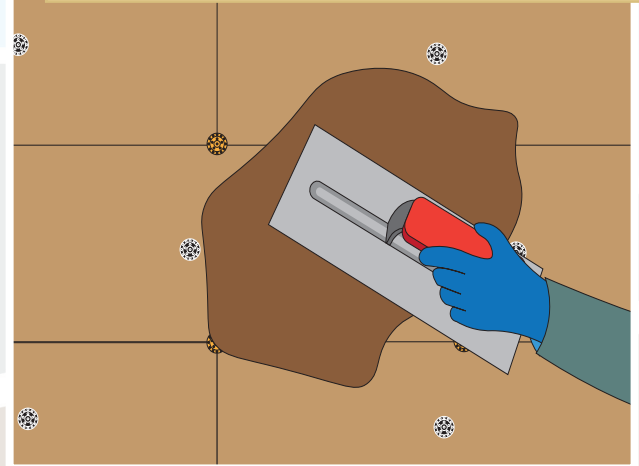
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- 7 Push Room 140 Woodfibre Boards into the **Isovit E-Cork** Adhesive Mortar. Drill and fix two insulated anchors into the middle of each board.

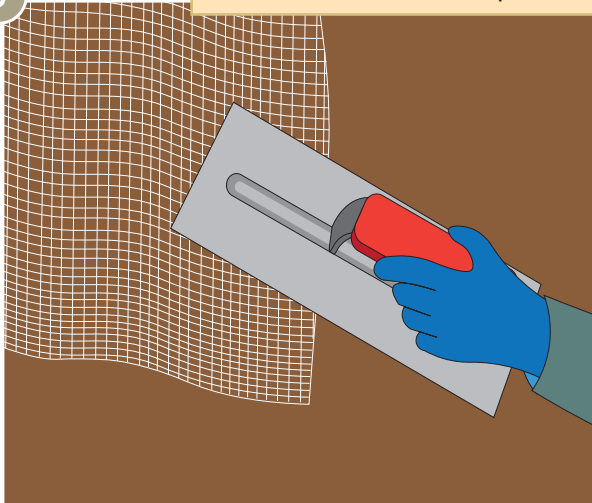


Tip: Work from the base upwards, joints must be staggered.

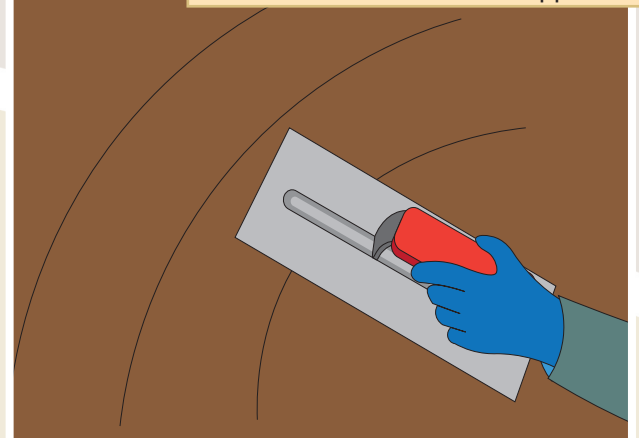
- 8 Complete fixings the next day. Then apply first coat of **Tŷ-Mawr Lime Hemp Plaster**.



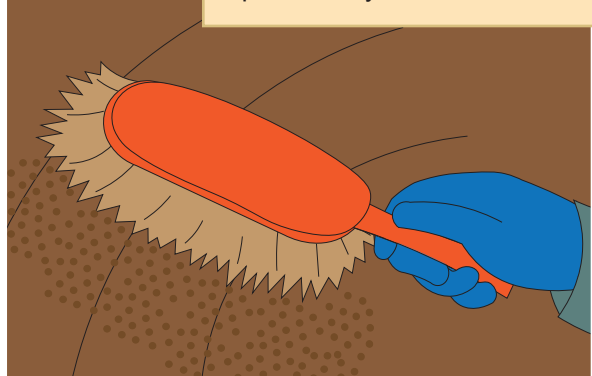
- 9 Trowel mesh into face of plaster.



- 10 On the same day apply further **Tŷ-Mawr Lime Hemp Plaster** to cover mesh, overall thickness should be approx 9mm.



- 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.

- 12 **Finishing Options**

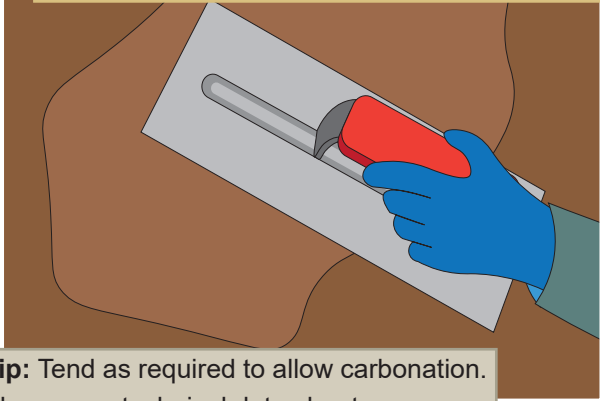
- Internal Finish Plaster - 3mm
- 50/50 Mix of Fine Hemp and Super Fine Internal Finish plaster - 3mm - 6mm
- Fine Hemp Plaster - 6mm



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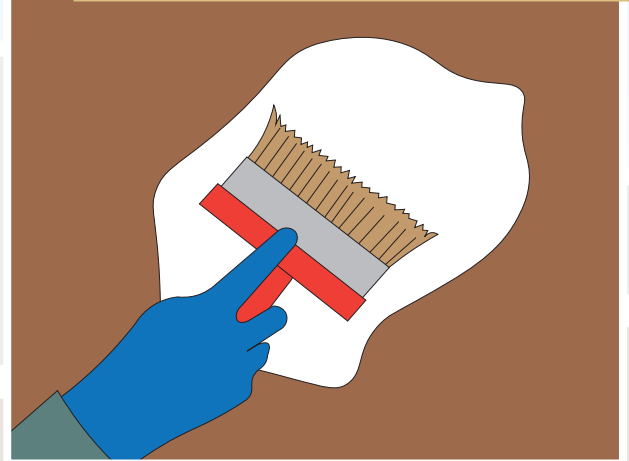
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13 Apply final coat as per Finishing Options. **Finish Plaster** and **50/50 mix** should be applied in two passes. **Tŷ-Mawr Lime Hemp Plaster** in a single pass. Trowel/ sponge as required.



Tip: Tend as required to allow carbonation. Please see technical data sheet.

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 or 01874 611 350.

Available Paint Finishes



Graphenstone Ecosphere



Graphenstone GCS



Beek's Insil



Earthborn Clay Paint



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Approximate Coverage Rates

Isovit E-Cork - A 20kg bag will cover 6m² at 6mm thick

Tŷ-Mawr Lime Hemp Plaster - 20kg wet mix will cover 1m² at 15mm or 2.5m² at 6mm
- 20 litres of dry mix will cover 1.2m² at 15mm or 3m² at 6mm.

Schneider Woodfibre Room 140 - 40mm - 0.6m x 1.25m - 0.75m² per board
60mm - 0.6m x 1.25m - 0.75m² per board
40mm T&G - 0.58m x 1.25m - 0.75m² per board
60mm T&G - 0.58m x 1.25m - 0.75m² per board

See our quantity calculator on 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](http://www.lime.org.uk) now available to order on 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.

