



Womersley's

Issue 3 – June 2024

Dry Clay Base Coat – Data Sheet

Product

Womersley's Dry Clay Base Coat Plaster is a ready to use plaster that simply requires mixing with water, maturing and applying.

Mix Ratio – 1:4 Dry Milled Clay and a blend of well washed Grit and River sand 4mm down. With the addition of fine and coarse hemp straw.

For custom mix ratios and aggregates please contact us. Can be produced either with or without hemp.

It is made using our top-quality and locally sourced natural milled clay which has been washed and sieved prior to use.

Usage

Dry Clay Base coat is a traditional plaster for internal use on masonry, render carrying boards, laths, brick and earth blocks or primed strawbales.

Manufactured on site in Yorkshire from washed milled clay, selected aggregates and reinforced with hemp.

Clay plasters not only look beautiful but have brilliant eco-credentials for a sustainable and healthy home. They are suitable for creating comfortable modern buildings and older building refurbishment.

Coverage

Coverage approx. 1.5m² from 20l at 10mm thick

Advantages

- Quality controlled production.
- Consistency of mix ratio.
- 100% natural.
- Minimal carbon footprint.
- Cool in summer and warm in winter.
- Clay is both breathable and hygroscopic, so manages damp and regulates humidity.

Surface Preparation

Suitable for use on most stable internal surfaces when properly prepared. Substrates must be moistened beforehand to improve adhesion and protect the plaster from drying out too quickly. Absorbent substrates must be saturated well

When plastering on laths they should be well wetted the day before and again 2 hours before application.

WOMERSLEY S LTD

Ravensthorpe Industrial Estate, Low Mill Lane, Ravensthorpe, West Yorkshire, WF13 3LN,
Tel: 01924 400 651 Email: info@womersleys.co.uk



Issue 3 – June 2024

When applying to strawbales then prime with a clay slip beforehand.

All junctions between surfaces and materials should be treated with care, covering them with hessian or jute.

How to Mix

Womersley's dry clay base coat plaster is ready to mix with water. After mixing allow to mature for 5-7 days. Any excess water on top of the tub should then be poured away and the plaster knocked up.

How to Apply

A Clay base coat should be applied in 2 coats on most surfaces at approximately 10mm per coat.

Apply in the conventional manner with a hawk and laying on trowel. The first coat should be scoured and pressed back with a wooden or plastic float. If applying a second coat, then score to provide a key and leave to completely dry. If applying a topcoat wet or dry plaster then only lightly score the second basecoat to 1mm. Immediately before applying a second coat or topcoat it is advisable to moisten the surface.

When reinforcing, reinforcement mesh must be installed on top of the second layer of basecoat and smoothed into the plaster surface with a trowel. We recommend a jute or fibre glass mesh of at least 7mm and apply with a 7-10cm overlap.

After the plaster has hardened but is still wet, even out with a float.

Drying Times

A 10mm layer should dry with 48hrs dependent on ambient conditions. Good air circulation is encouraged during and after application. Applications should not proceed when temperatures fall below 5 degrees or above 30 degrees.

Finishing

For finishing use either a wet clay topcoat or fine dry naturally coloured clay plaster topcoat.

Curing and Why

Clay plasters harden by drying and as no chemical reaction takes place, they remain workable for a lengthy period.

Packaging

Available in a 10l / 20kg tub, a 20l 35kg tub or a sealed one tonne bulk bags. The plastic used is suitable for recycling.

Storage

This product can be stored in dry conditions and should be kept away from freezing conditions. The shelf life is technically indefinite but realistically we would recommend use within 12 months.

Womersley's Ltd

Ravensthorpe Industrial Estate, Low Mill Lane, Ravensthorpe, West Yorkshire, WF13 3LN,
Tel: 01924 400 651 Email: info@womersleys.co.uk

Performance

Test	Performamnce
Density	1722kg/m ³
Aggregate size	3.5mm down
Thermal conductivity	0.97 Wm/K
Fire	Non-combustible
Sound absorption coefficient	0.090N
Embodied Carbon	0.1162 Kg CO ₂ eq/KG

Health and Safety

If contact with eyes, then wash eyes thoroughly with liberal amounts of water. If ingested then wash mouth with water, if large amounts are swallowed obtain prompt medical attention.

Safety Phases - No safety phrases

Risk Phases - No risk phrases

Declaration

This product contains no NHL or cement.

All Womersley's products are manufactured under an ISO9001:2015 accredited factory production control system.

Womersley's Ltd

Ravensthorpe Industrial Estate, Low Mill Lane, Ravensthorpe, West Yorkshire, WF13 3LN,
Tel: 01924 400 651 Email: info@womersleys.co.uk