

EARTH PLASTER

Help Guide - Key Products – Specifications - Hints & Tips

INTRODUCTION

EARTH PLASTER is a 100% natural clay plaster, suitable for internal wall and ceiling applications. EARTH PLASTER is specified for its eco-friendly credentials, creating healthy, non-toxic, breathable surfaces. Not suitable for wet or high traffic areas.

KEY PRODUCTS

PRIMERS

EARTH PRIMER

Single component, aggregated white primer for low suction substrates (cement board & painted surfaces).

Mix ratio: N/A – Single Component - mix well

Add Water: Not required

Application rate: Approximately 250g-300g per m²

Application technique: Brush or Roller

Pot Life: N/A – Single Component

Touch dry: Temperature dependent. 1 hour without airflow, 30 minutes when force dried.

AQUA PRIMER

Single component, polymer primer for high suction substrates.

Mix ratio: N/A – single component - shake well

Add Water: Not required

Application rate: Approximately 60-80g per m²

Application technique: Brush or Roller

Pot Life: N/A – single component

Touch dry: Temperature dependent. 1 hour without airflow, 30 minutes when force dried.

BASE & FINISH COATS

Note – EARTH PLASTER does not have a specific base coat. Depending on the chosen finish, the first layer can either be EARTH PLASTER (Rustic or Natural). Rustic has a larger grain size and offers greater hiding power when applying into mesh or onto uneven substrates.

EARTH PLASTER (RUSTIC)

Large grain, base and finish coat.

Mix ratio: N/A – single component powder

Add Water: Yes:

Stiff grade – 4 – 4.5L per 20kg bag

Wet grade – 5 – 5.5L per 20kg bag

Application rate:

2kg per m² into 160gsm mesh

1.5 – 1.6kg per m² all other coats

Application technique: Trowel or Spatula

Pot Life: N/A

Touch dry: Temperature & thickness dependent. 5-6 hours without airflow, 2-3 hours when force dried.

EARTH PLASTER (NATURAL)

Medium grain base and finish coat.

Mix ratio: N/A – single component powder

Add Water: Yes:

Stiff grade – 2 – 2.5L per 10kg bag

Wet grade – 2.9 – 3.2L per 10kg bag

Application rate:

1 – 1.1kg per m² into 160gsm mesh

700 - 800g per m² onto EARTH PRIMER

1 – 1.1kg m² second coat

Application technique: Trowel or Spatula

Pot Life: N/A

Touch dry: Temperature & thickness dependent. 5-6 hours without airflow, 2-3 hours when force dried.

EARTH PLASTER (REFINED)

Fine grain finish coat.

Mix ratio: N/A – single component powder

Add Water: Yes:

Stiff grade – 3 – 3.5L per 5kg bag

Wet grade – 4.5 – 5L per 5kg bag

Application rate:

130g per m²

Application technique: Trowel or Spatula

Pot Life: N/A

Touch dry: Temperature & thickness dependent. 3-4 hours without airflow, 1-2 hours when force dried.

SEALERS

MONO SEALER

Single component, cross linking polyurethane sealer which gives a matt finish.

Mix ratio: N/A – Single Component – shake well

Add Water: Not required

Application rate: Approximately 60-70g per m²

Application technique: Brush or roller

Pot Life: N/A – Single Component

Touch dry: Temperature & thickness dependent. 4-5 hours without airflow, 1-2 hours when force dried.

DUO SEALER

Two component, cross linking polyurethane sealer which gives a matt finish. Good stain resistance and very user friendly.

Mix ratio: 83:17 – 1kg = 830g Base + 170g Hardener

Add Water: Not required

Application rate: Approximately 60-70g per m²

Application technique: Brush or Roller

Pot Life: Approximately 1 hour

Touch dry: Temperature & thickness dependent. 4-5 hours without airflow, 1-2 hours when force dried.

DUO PLUS

Two component, cross linking polyurethane sealer which gives a matt finish. Formulated to give extra stain resistance against strong colours, dyes and rubbers / plasticisers.

Mix ratio: 84:16– 1kg = 840g Base + 160g Hardener

Add Water: Not required

Application rate: Approximately 60-70g per m²

Application technique: Brush or Roller

Pot Life: Approximately 1 hour

Touch dry: Temperature & thickness dependent. 4-5 hours without airflow, 1-2 hours when force dried.

SPECIFICATIONS

MESH WALL

1. 1 or 2 coats of EARTH PRIMER
2. EARTH PLASTER (RUSTIC) into 160gsm mesh @ 2kg m²
3. Allow to dry
4. EARTH PLASTER (RUSTIC or NATURAL) at approximately 1 – 1.6kg per m²
5. Allow to dry
6. EARTH PLASTER (RUSTIC, NATURAL or REFINED) at relevant thicknesses
7. Allow to dry and brush off loose particles if required
8. 1 or 2 coats of sealer depending on application.

FAST WALL

1. 1 or 2 coats of EARTH PRIMER
2. EARTH PLASTER (RUSTIC or NATURAL) at approximately 700-800g per m²
3. Allow to dry
4. EARTH PLASTER (RUSTIC, NATURAL) on top at approximately 1 – 1.6kg per m²
5. Allow to dry
6. EARTH PLASTER (RUSTIC, NATURAL or REFINED) at relevant thicknesses
7. Allow to dry and brush off loose particles if required
8. 1 or 2 coats of sealer depending on application.

SUPER FAST WALL

1. 1 or 2 coats of EARTH PRIMER
2. EARTH PLASTER (RUSTIC or NATURAL) at approximately 700-800g per m²
3. Allow to dry
4. EARTH PLASTER (RUSTIC, NATURAL) on top at approximately 1 – 1.6kg per m²
5. Allow to dry
6. A coat of EARTH PLASTER (REFINED) can be applied at 130g per m² if required.
7. Allow to dry and brush off loose particles if required
8. 1 or 2 coats of sealer depending on application.

HINTS & TIPS

PREPARATION

All surfaces must be dry and free of contamination.

Gypsum plaster must be sanded with 50grit diamond pad, or 80 grit sandpaper to open the surface.

Following preparation, cleaning of the surface by means of a Hoover and microfibre mop are also key factors to ensuring sufficient adhesion.

ADDING PIGMENT

Pigment should be added into the mixing water and stirred with a drill prior to adding the EARTH PLASTER powder. Always rinse out the pigment container to ensure all the pigment is removed.

MIXING

Using the correct whisk to mix EARTH PLASTER is very important, especially when mixing EARTH PLASTER (Refined). Small white lumps are an indication that the product is not mixed correctly, and these will have a detrimental effect on the quality of the finish. Please speak to your Luna agent to obtain information regarding the correct mixing paddle.

Specific information for mixing EARTH PLASTER (Refined):

Using the correct whisk, spin the mix water at high speed to create a vortex. SLOWLY add the powder into the vortex to help break up the particles and eliminate lumps. Whisk for 4-5 minutes, scraping the sides and base of the bucket regularly.

APPLICATION

The general rule of thumb when applying EARTH PLASTER is that the first layer is applied using the 'stiff grade' water amounts, and all subsequent layers using the 'wet grade' water amounts. The wet grade helps to compensate for the suction when applying onto itself. The water ratios are only a guide and can be tailored to suit the applicators needs.

Rustic and Natural can be applied onto each other while the first layer is still damp. This helps with reducing suction and dragging issues. Refined must be applied when the underlayers are fully dry or blistering may occur. A top tip is to apply a layer of AQUA-PRIMER prior to the application of Refined to aid application and reduce blisters.

Tip – All grades of EARTH PLASTER can be misted with water and compressed for additional strength.

CURING

ROCK PLASTER is air cured, meaning that drying times can be affected by thickness, temperature and air flow. EARTH PLASTER will take longer to dry / cure in cold, damp conditions. Drying EARTH PLASTER too quickly can result in surface crazing / cracking.

SANDING

EARTH PLASTER cannot be sanded. Prior to sealing, the surface can be swept with a soft brush to remove any loose grains or particles. This can also be done once the sealer is dry.

SEALING

For decorative applications such as feature walls, 1x layer of sealer will provide sufficient protection. 2x layers will provide greater protection.