



Paint Academy Tutorial 6

Damp Proofing Walls (Plaster and Face Brick)

DETERMINING YOUR PRODUCT REQUIREMENT:

- Measure area to which paint is to be applied.
- Depending on surface to which the product is to be applied, determine which products are needed. (Refer to Product Specifier Tool)
- Check the Theoretical Spread Rates (TSR) on each of the specified products and see how many coats of each are recommended, then calculate what quantities of each product you will require, remembering to make adjustments for the porosity of each surface. TSRs are based on products applied to smooth, sealed surfaces. (e.g. an unsealed scratch plaster surface will absorb more paint than a sealed smooth one, so allow for a lower spread rate).
- Check out the specifications on all the top coat choices (referring to the relevant data sheets) and decide which is right for you.

RISING DAMP BELOW AND UP TO DAMP PROOF COURSE ON PREVIOUSLY PAINTED SURFACES. (TEMPORARY FIX).

Surface Preparation

1. Remove all loose damaged paint and plaster..
2. Poison damaged area with **Ushevu** diluted 1litre **Ushevu** : 19 litres water.
3. Allow to react for 24 hours, then dry brush.

Application Method

1. Apply 1 coat **DampPrime** diluted with 10% Mineral Turps. Allow to dry.
2. Apply a second coat of **DampPrime** undiluted. Allow to dry.
3. Now patch plaster with suitable compound. If scarring is 5mm or less, use exterior **Flashpatch**.
4. If scarring is more than 5mm deep, then patch with sand, cement and **Acrylatex** to wet the mixture. Allow 48 hours to dry.
5. Spot prime repaired areas with 1 coat of **AcrylUnder**. Allow to dry.
6. Apply acrylic top coats of your choice. (**Elegance, Luxuriance, Pristina, RippleTex**)

RISING DAMP BELOW AND UP TO DAMP PROOF COURSE ON PREVIOUSLY PAINTED SURFACES. (PERMANENT FIX)

Surface Preparation for MethodS 1 and 2

1. Remove all old plaster from just above DPC to ground level.
2. Apply 2 coats of latex slurry (1 part **AcryLatex** to 1 part cement). Apply first coat from top to bottom and allow 1 hour to dry @25°C.
3. Apply a second coat from side to side ensuring that there are no holes or breaches in the slurry. Allow 48 hours to dry.

Application Method 1:

1. Apply 1 coat **PlasterBond** to the dry slurry (to improve adhesion of plaster).
2. Replaster wall as soon as **PlasterBond** has dried to clear with plaster mixed in the following ratios:
Plaster Sand: 150 kg.
Ordinary Portland Cement: 50 kg.
AcryLatex: 15 - 20 Litres or extra to required consistency.
This mix, once applied, will have to be monitored (over a period of about 20 minutes) for sagging and cracking and reworked if necessary.
3. Allow to dry approx. 7 – 10 days.
4. Apply 1 coat **AcrylUnder**. Allow to dry.
5. Apply top coats of your choice. Allow to dry between coats.

Note: This application is best carried out by professional damp proofers.

Application Method 2:

1. Apply 1 coat **PlasterBond** to the dry slurry (to improve adhesion of plaster).
2. Replaster wall as soon as **PlasterBond** has dried to clear with plaster mixed to high quality in the following ratios:
Plaster Sand: 150 kg
Ordinary Portland Cement: 50 kg
Water: Add to desired consistency.
3. Allow plaster 28 days to cure.
4. Apply 2 coats of **KlinkaSeal**, wet on wet, to the plaster. Allow 48 hours to dry.
5. Apply 1 coat of **PlasterPrime**. Allow to dry.
6. Apply top coats of your choice.

Note: **KlinkaSeal** must only be applied to high quality plaster. If **KlinkaSeal** is applied to poor quality plaster, the system will fail. If in doubt, call the Technical Support Dept.
This application is best carried out by professional damp proofers.

BREACH OF D.P.C. (INJECTION METHOD)

Surface Preparation

1. Drill 20 – 30mm holes, 120mm apart, at a downward angle of approx. 15-20 degrees, along the line of bricks at DPC level.
2. Inject **KlinkaSeal** into these holes under low pressure or by gravitation, flooding the entire brick.
3. Once this process has been carried out the holes can be closed with normal sand and cement wet with **AcryLatex**.
4. This process is best carried out by professional damp proofers. Should you require further information on this process, please contact our technical dept.

Application Method

1. Apply 1 coat of **AcrylUnder**. Allow to dry.
2. Apply acrylic top coats of your choice.

DAMP PROOFING NEW PLASTER FROM D.P.C. TO GROUND LEVEL.

Note: This can only be carried out on good quality plaster)

Surface Preparation

1. Dry brush plaster to remove all loose friable particles.

Application Method

1. Apply 2 coats of **KlinkaSeal**, wet on wet, to the plaster from DPC to ground level. For best results the plaster below the ground level should also be coated . Allow 48 hours to dry.
2. Apply 1 coat **PlasterPrime**. Allow 6 hours to dry @ 25°C.
3. Apply 2 coats of the top coat of your choice.

Relevant Product Information

KlinkaSeal

Theoretical Spread Rate	15m ² per litre
No. of Coats Required	1 to 2 coats (dependant on absorption of surface).
Application Method	Brush, Roller or Spray
Drying Time	48 hours

PlasterPrime

Theoretical Spread Rate	12-15 m ² per litre
No. of Coats Required	1 Coat
Application Method	Brush, Roller or Spray
Drying Time	6 hours @ 25°C. Overcoat within 7 days.

IF UNSEALED FACE BRICK

Surface Preparation

1. Clean brick and allow to dry.
2. Repair all missing or cracked pointing (i.e. the cement between the bricks). Allow to dry.

Application Method

1. Apply coats of **KlinkaSeal**, wet on wet, until the surface no longer absorbs the product.

Relevant Product Information

KlinkaSeal

Theoretical Spread Rate	15m ² per litre
No. of Coats Required	1 to 2 coats (dependant on absorption of surface).
Application Method	Brush, Roller or Spray
Drying Time	48 hours

AcryLatex

Theoretical Spread Rate	N/A
No. of Coats Required	N/A
Application Method	Brush, Roller or Trowel
Drying Time	@ 25°C - 48 hours (in slurry)

DampPrime

Theoretical Spread Rate 8m² per litre
 No. of Coats Required 2 Coats
 Application Method Brush, Roller
 Drying Time @ 25°C – 24 hours

Ushevu

Theoretical Spread Rate 20m² per litre
 No. of Coats Required 1 Coat
 Application Method Brush, Roller and Spray
 Drying Time @ 25°C – 24 hours

Top Coat Choices**Elegance (Matt or Glo)**

Theoretical Spread Rate 8-10m² per litre
 No. of Coats Required 2 Coats minimum
 Application Method Brush, Roller and Spray
 Drying Time @ 30°C – 25 minutes

Luxuriance

Theoretical Spread Rate 8-9m² per litre
 No. of Coats Required 1 – 2 Coats
 Application Method Brush, Roller and Spray
 Drying Time @ 25°C – 30 minutes

Pristina

Theoretical Spread Rate New Plaster: 4-5m² per litre
 Painted Smooth Plaster: 7-8m² per litre
 No. of Coats Required 2 Coats
 Application Method Brush, Roller or Spray
 Drying Time @ 25°C – 30 minutes

RippleTex

Theoretical Spread Rate Ripple: Sponge Roller: 2 – 2.5m² per litre
 SemiTextured: SheepSkin Roller: ± 3 – 3.5m² per litre
 No. of Coats Required 1 – 2 Coats depending on desired finish
 Application Method Sponge Roller
 Drying Time @ 25°C – 2 hours Touch Dry
 Overcoat after 6 hours