

Installation Guide for Passive Purple[®] External Lime & Render Prime



SCAN ME



1. Area of use:

Passive Purple® External Lime & Render Prime is a pre-treatment micro emulsion/small molecular primer substance that enters deeply into the substrate and functions to consolidate as well as a primer.

of the following building parts:

- Dense Substates
- Old lime & renders
- Casted concrete
- Other surfaces that need consolidation before application of Passive Purple® External

2. System

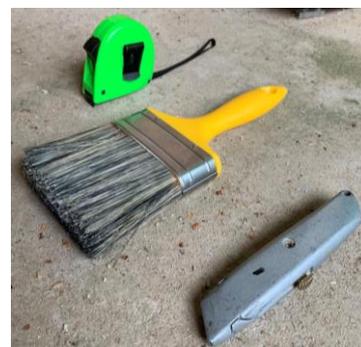
Passive Purple® External Lime & Render Prime is a pre-treatment acrylic waterborne ultrafine primer based on micro emulsions, applied on porous and less cohesive substrates, prior to the application of waterborne dispersion coatings. The use of this primer will consolidate the substrate and improve the adhesion of coatings onto difficult substrates.

(Need to get pictures of LIME PRIME)

3. Materials and tools needed:

- Empty buckets, water for cleaning of tools.
- Handheld paddle mixer.
- Trowel
- Gloves, goggles and respiratory mask system.
- Products: Passive Purple® External Lime & Render Prime, 3" paintbrush.
- Airless sprayer or roller
- Surface temperature meter, substrate must not be below 5°C.
- Personal safety equipment: Safety glasses, gloves, safety shoes, helmet, overalls.

Need lime prime versions of this.



4. Individual protection:

- Safety glasses, gloves, safety shoes and overalls.
- Consult the Materials Safety Data Sheet prior to application. Always work in well-ventilated areas. Avoid direct skin contact when product is in wet condition. You are advised to wear eye protection, mouth mask, gloves, and safety wear during application.

5. Inspection and preparation

While Passive Purple® External Lime & Render Prime is applied rapidly the successful sealing depends on thorough preparation of the substrate. The following preparation instructions need to be followed.

- Standing water, dust and free particles are removed with the vacuum cleaner. Passive Purple® External Lime & Render Prime may be applied to humid surfaces.
- The ambient and substrate surface temperature must be under 5°C.

Need to get pictures of LIME PRIME)



6. Setting up the airless spray machine (alternative: use long haired paint roller)

- **Open the tub of Passive Purple® External Lime & Render Prime and mix till a smooth consistency with a handheld paddle mixer at low speed.**
 - o Prime machine.
 - o Place airless spray device above pail with product.
 - o Pump wastewater into waste bucket until product is circulating.
 - o Build up pressure to 120 – 150 bar.
 - o Repeat for spray hose/gun until product is circulating.
 - o A commonly used tip is the 517-spray tip.
 - o After use, clean airless spray device with water, in the way same as set up.
 - o Clean filters.

(Need to get pictures of LIME PRIME))



7. Application

- Open the pail of Passive Purple® External Lime & Render Prime and Mix Passive Purple® External Lime & Render Prime for a smooth consistency with a handheld paddle mixer at low speed, do not add water or solvents.
- For connections fill the joints between the surface, draining and tubes, with a paintable waterproof sealant. When these joints are below 5mm, enlarge these before applying the sealant.
- Apply Passive Purple® External Lime & Render Prime with a longhaired roller, paintbrush or airless paint spray machine. Apply only 1 layer, approximately 100 gr/m², depending on the porosity of the substrate.
- The primers will take approximately 4 hours to dry. However, additional coats may be required depending upon the porosity of the substrate. 24 hours should be left between primer coats. Allow to dry before application of waterborne dispersion coatings.
- In case of using an airless spray machine for the application of Passive Purple® External Lime & Render Prime spray at 30-60cm from the surface at a 90° angle on the surface, as to minimize overspray.
- Thickness is verified with a wet film thickness gauge, to ensure minimum total coverage of 800 microns. In general, when the substrate is not visible anymore, the coverage of min 800 microns is more than likely reached.
- Clean gauge and other tools with water.

(Need to get pictures of LIME PRIME))

8. Quality control:

- Check visually to ensure complete coverage; If needed, apply an additional coat.
- Thickness is verified with a wet film thickness gauge for each layer, to ensure minimum total coverage of 500 micron.
- Usage of wet film thickness gauge:
 - o Identify level and smooth patches of substrate.
 - o Select the appropriate side of the thickness gauge for thicknesses around 500 microns.



- o Press the appropriate side of the gauge into the wet film immediately after application.
- o Remove gauge and inspect the underside of the comb fingers. The last wetted finger indicates the wet film thickness value printed by this finger.
- o Repeat the measurements to make a reasonable number of spot checks. As a rule of thumb one measurement should be taken for each 5m² of coating.
- o Clean gauge with water

9. DON'T'S:

- Do not apply Passive Purple® External Lime & Render Prime in direct sunlight.
- Do not dilute Passive Purple® External Lime & Render with water or solvents; avoid contact with any type of liquid during drying.
- Do not leave the lid off the container for long periods, please re-seal immediately after use.
- Do not use a heat source at close range to aid drying.
- In case of damage to the Passive Purple® External Lime & Render coating after drying, simply restore by cleaning the surface of the coating and re-applying an extra layer which is easily done with the brush version if it gets damaged when dry.
- Do not apply Passive Purple® External Lime & Render whilst the substrate is under pressure: pressure testing must only be carried out once Passive Purple® External Lime & Render Prime is fully cured.

10. Storage:

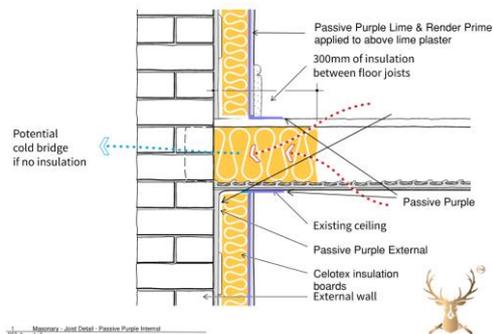
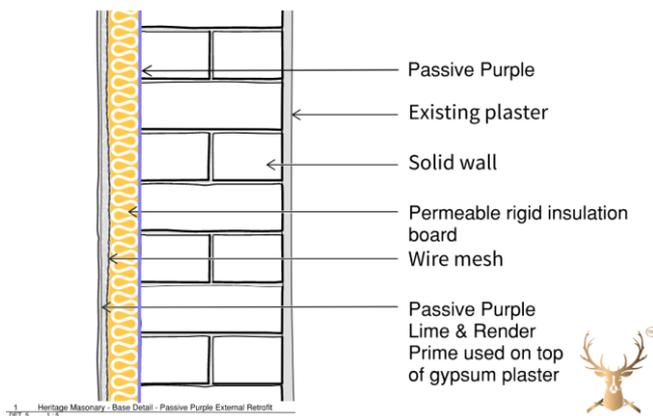
- Store full un-opened containers in a dry frost free environment between 5°C and 35°C, avoid direct sunlight or contact with a heat source.
- Seal part used containers by pushing down firmly in the center of the lid when closing to expel air, ensure lid is closed tightly.
- Do not use product from damaged or broken containers.
- Shelf life: product will keep for 12 months from date of manufacture if kept according to these instructions in unopened containers. See batch number for date of production: ddmmyxx (dd:day/mm:month/y:year/xx:productcode).

11. Disposal:

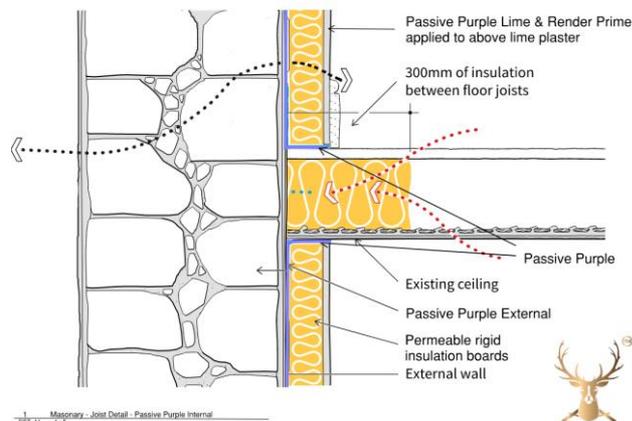
- Please refer to product SDS information. Please clean and recycle all used tubs.

12. Other areas of use:

Masonry



Solid Wall



Precautions:

Consult the Materials Safety Data Sheet prior to application. Always work in well-ventilated areas. Avoid direct skin contact when product is in wet condition. You are advised to wear eye protection, face mask, gloves and safety wear during application

Further advice:

This advice is based on the experience of the Intelligent Membranes® for further information, please contact our head office. Product sheets, safety data sheets and independent test reports are available on request.

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