



LIGHTPATCH PRIMER GEL

Lightpatch Primer Gel can be used as a primer to improve adhesion to steel terminations.

Lightpatch Primer Gel has two curing mechanisms namely by UV Light as per the Lightpatch or 'Cold Cure' method, which uses the addition of a catalyst which gives a chemical reaction cure. The Lightpatch Primer Gel UV is cured as per the Lightpatch by ultra violet light and subsequently the cure time is light dependant. On a sunny day the cure times for thin applications can be as little as 10 minutes. The cold cure (cc) uses the addition of a catalyst that must be mixed into the gel resin and this gives a cure time of 30 – 45 minutes dependant on temperature. All grades are also available in a standard viscosity or a low viscosity (LV) version that can be brush/roller applied.

Lightpatch UV or CC (Cold Cure) This is our standard viscosity, light curing or chemical curing, priming and filler material manufactured from a complimentary resin system as Lightpatch. This material can be painted on, rolled on or trowelled into place. This is used when the substrate profile is more coarse, for example, concrete or corroded pipework. This is supplied in 2.5kgs can and the Lightpatch Primer Gel UV is light sensitive therefore when not in use, replace the lid. The Lightpatch Primer Gel CC grade requires the addition of a supplied catalyst and this must be fully stirred in.

Lightpatch Primer Gel Low Viscosity (LV) UV or CC (Closed Cure) This is a low viscosity, light curing or chemical curing, priming and coating material manufactured from a complimentary resin system as Lightpatch. This material can be painted or rolled in place. This is supplied in 2.5kgs cans and the Lightpatch Primer Gel UV LV is light sensitive therefore when not in use, replace the lid. The Lightpatch Primer Gel CC LV grade requires the addition of a supplied catalyst and this must be fully stirred in.

Lightpatch and Lightpatch Primer Gel products can be over-painted. Once they have fully cured lightly abrade and apply coating.

Storage Conditions Lightpatch and Lightpatch Primer Gel products should be stored in cool, dry and well-ventilated conditions between 20°C and 23°C. In general, however, the products can be shipped in non-refrigerated containers.

Surface Preparation Procedures

Old Steel Pipe Work

As with any other coating system applied to steelwork, successful application is directly linked to the quality of surface preparation. Badly corroded pipe work with large pits must be filled with a Lightpatch Primer Gel or an equivalent product to restore integrity and profile. The Lightpatch Primer Gel or equivalent filler must be allowed to cure fully before further coating materials are applied. Recommended Lightpatch Primer Gel thickness is a minimum of 75

microns however the condition of the pipe work may dictate a thicker primer coating.

New Steel Pipe Work

Pipe work that has recently painted / coated must be allowed to fully cure according to the manufacturers instructions. The pipework then requires to be lightly abraded followed by a solvent wipe to remove any further grease and dust prior to Lightpatch Primer Gel / Lightpatch wrapping. Recommended Lightpatch Primer Gel thickness minimum of 75 microns.

Plastic Pipe Work PE & PP

Plastic pipework requires specific preparation to achieve adequate bonding. The pipe work must be shot blasted to an 80 micron profile and then flame treated with a blue propane flame. The pipe must not be melted during the flame treatment. A coating of Lightpatch Primer Gel CC LV must be applied to the pipe (minimum 75 microns) and the

Lightpatch applied directly into the wet gel.

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