

VERSION: 01

ISSUED: DEC 2024

LARSEN

FLOORING

TECHNICAL DATA SHEET

DPM One Coat Rapid

SINGLE COAT APPLICATION

WALKABLE IN 4 HOURS

FAST TRACK APPLICATIONS

UP TO 98%RH IN ONE COAT

Larsen DPM One Coat Rapid is a superior 2 pack epoxy surface applied damp proof membrane ideal for Fast-Track applications. Allows immediate installation of moisture sensitive floor finishes onto damp concrete and screed. It is designed for use as a one coat application depending on the moisture content of the floor and allows same day covering.



**NBS Source
PARTNER**

For further information, consult our Technical Department.

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TECHNICAL DATA SHEET

PRODUCT INFORMATION

FORM:	2 Part Solvent Free Epoxy Coating
COLOURS:	Black
HAZARD INFORMATION:	Part A – WARNING Irritant, Toxic to aquatic life Part B – DANGER Harmful, Causes Severe burns, May cause an allergic reaction, Toxic to aquatic life Consult MSDS for full information before use. Note: After mixing and curing the material is non-hazardous.
CLEANING:	Clean tools, equipment etc. using suitable solvent thinners. Mechanical means are necessary when the product has set.
PACKAGING:	10kg packs
STORAGE CONDITIONS:	Store in sealed containers in dry conditions, protected from extremes of temperature
SHELF LIFE:	Typically 24 months in good storage conditions

APPLICATION INFORMATION

MIX RATIO:	Part A 8.3kg Part B 1.7kg (It is not recommended to split packs without the use of accurate weighing equipment.)
POT LIFE:	Approx. 20-30min @ 20°C
APPLICATION TEMPERATURE:	+5°C TO 30°C
DRYING TIME:	Touch dry 1-2 hrs Walkable - 4 hrs @ 20°C
UNDERFLOOR HEATING:	Suitable for use with heated concrete and cement screeds up to a maximum surface temperature of 27°C.
MOISTURE VAPOUR PERMEABILITY:	<5g/m ² /24 hours

COVERAGE:

Floor RH%	No. of Coats	Minimum Film Thickness	Minimum Application	Maximum Coverage
Up to 85%	1	250µm	400g / m ²	25m ² /10kg
Up to 98%*	1	350µm	555g / m ²	18m ² /10kg

* or where structural DPM is absent, alternatively use Larsen Universal DPM in 2 coats

DIRECTIONS FOR USE

PREPARATION

The substrate should be hard, structurally sound and stable concrete or cement based screed of sufficient strength for the floor use. The surface should be surface dry and free from laitance, dust or other contamination which may affect adhesion. It is recommended to mechanically prepare the surface by enclosed shot blasting or diamond grinding then vacuum thoroughly.

It is recommended to carry out a thorough survey of the floor with moisture testing carried out as per BS8203 with suitable, calibrated hygrometers. These figures should then be used to determine the recommended maximum coverage and minimum film thickness of DPM. It is recommended to record and keep the results of the moisture testing. Electric resistance moisture meters are only indicative and should not be used to determine minimum film thickness of DPM.

Construction joints in the floor must not be bridged by DPM. 'Live' cracks in the floor must not be bridged by DPM. Existing static cracks must be fully repaired by stitching or resin injection as required before the DPM is applied.

When applying over heated screeds, ensure the screed is cement based and that the heating system has been fully commissioned, including raising to maximum running temperature. The heating system should be switched off a minimum of 48hours before applying DPM and the temperature raised gradually starting a minimum of 48hrs after installing floor finishes in such a way as to avoid thermal shock or rapid temperature variations. The screed should not have a surface temperature above 27°C.

MIXING

Before use it is recommended to condition all packs at a temperature of 15-25°C for 24 hours.

Pour hardener (Part B) into base resin (Part A). Mix thoroughly with a slow speed drill and paddle. It is recommended to employ a back mixing method by emptying the mixed parts into another container and mixing again.

Mixing by hand is not suitable.

DIRECTIONS FOR USE (continued)

APPLICATION

Mark out the area to ensure the correct coverage depending on the required minimum film thickness. During application check the minimum wet film thickness (disposable wet film gauges are readily available and inexpensive). After application double check the number of packs used was correct.

ONE COAT APPLICATION - (Only suitable with floor moisture up to 98% RH)

Do not exceed maximum coverage of 25m²/10kg pack at up to 85%RH or 18m²/10kg pack up to 98%RH.

After fully mixing pour out the DPM on the floor and spread to an even thickness for example with a suitable V-notched trowel. Typically a 1.5 x5mm fine notch trowel is suitable to achieve a coverage of approx. 400g/m² and an A2 trowel achieves a coverage of approx. 555g/m². The wet DPM must then be leveled by rolling with a suitable roller, pre-wetted in DPM. It is important to ensure the coating is continuous, is of the minimum required film thickness and is free from pinholing. Should this not be the case, a second coat should be applied.

SUBSEQUENT LAYERS

Depending on the subsequent layers in floor, different systems may be employed as follows:

DIRECT APPLICATION OF FLOORING ADHESIVE - check with adhesive supplier that this method is suitable and compatible with the DPM.

LEVELLING COMPOUNDS - When overlaying with latex levelling compounds (e.g. Lartex FLO or Lartex NA) the same day, no primer is required. Overlaying after 12 hours or with water based levelling compounds, prime first with NP Keycoat or NP Grip360 . When subsequent layers are thicker than 6mm or in heavier traffic applications, prime with Larprime EU and sand scatter – consult technical dept. for full details.

RESTRICTIONS

All work should be carried to current best practice, including British Standards (including BS8203 and BS8204) and CFA and FeRFA Guidance documents. DPM One Coat Rapid is not suitable for resisting hydrostatic pressure, nor will it necessarily reduce the incidence of osmotic blistering. DPM One Coat Rapid should not be used on substrates which are not moisture tolerant and should not be used on gypsum or magnesite screeds. Curing times are affected by site and substrate temperatures and it is recommended that both are above 10°C. Insufficient mixing, incorrect mixing ratio and temperatures below 5°C will result in lack of uniform hardening and failure of the integrity of the DPM.

DIRECTIONS FOR USE (continued)

RESTRICTIONS

All work should be carried to current best practice, including British Standards (including BS8203 and BS8204) and CFA and FeRFA Guidance documents. DPM Universal is not suitable for resisting hydrostatic pressure, nor will it necessarily reduce the incidence of osmotic blistering. DPM Universal should not be used on substrates which are not moisture tolerant and should not be used on gypsum or magnesite screeds. Curing times are affected by site and substrate temperatures and it is recommended that both are above 10°C. Insufficient mixing, incorrect mixing ratio and temperatures below 5°C will result in lack of uniform hardening and failure of the integrity of the DPM.