



5.11 Fast Primer 90

GENERAL PURPOSE EPOXY PRIMER

PRODUCT DESCRIPTION

Fast primer 90 is a solvent free epoxy for the priming of epoxy flooring systems.

USES

Fast primer 90 is used as part of the various epoxy flooring applications that include screeds, self-levelling and coating systems.

ADVANTAGES

- Economical primer.
- Non-slip finish (aggregate addition).
- Easy-to-apply.
- Chemical resistant.
- Solvent free system; low odour.

SURFACE PREPARATION

Surfaces must be clean, dry, mechanically sound, free of laitance, nibs, dust, curing membrane, grease and oil. The concrete surface should be lightly vacuum blast cleaned leaving an open uniform textured surface (with exposed aggregate).

PRECAUTIONARY NOTES

1. The substrate must be dry before application. For concrete, moisture content tests must be conducted prior to application of the priming system. Maximum moisture content should be between 4 - 5%. The substrate must be dry before application. Concrete moisture content tests must be conducted prior to application of the priming system. Maximum moisture content should be between 4-5%. Preferably make use of a Protimeter Survey Master or an equivalent; a Dynamic Calcium Chloride moisture "weight gain" over 24 hours or at least a practical overnight "plastic sheet test" (approximately 1 m² edges masked down onto the concrete surface).

MIXING

1. When decanting base and activator, thorough stirring must be accomplished beforehand prior to adding the activator to the base.
2. Proper mixing and proportioning of the epoxy binder (base and activator) is important.

NOTE:

A suitable mixing method would be a slow speed electric drill (approximately 200 r/min.) fitted with a paddle. Ensure that the mixing vanes are below the surface of the mix to minimize air entrapment. The stirrer mixing vane configuration should be such as not to introduce unwanted aeration. Also, for this type of mixing, transferring the base/ activator combination to a new container i.e. "re-mixing" will eliminate contamination due to unmixed base which is inclined to cling to the walls of the original container.

APPLICATION

Fast primer 90 should normally be used as a single coat. Circumstances could arise where two coats might be called for, in which case over-coating times must be observed.

COVERAGE

4 to 5 m²/litre, subject to the surface profile and porosity of the surface.

PACKAGING

Fast primer 90 is supplied in 5 litre yield metal containers.

PACKAGING

Fast primer 90 has a shelf life of 2 years if kept in a dry, cool store in the original, unopened packs. If stored at high temperatures and/or high humidity conditions, the shelf life may be reduced.



HEALTH & SAFETY

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The safety data sheet is available from your local Fast primer 90 Construction Chemicals branch.

PROPERTIES OF WET MATERIAL	
Density	Fast primer 90: 1.084 kg/L
Flash point	Epoxy systems: > 100 °C
Dilution	Do not dilute any of the components
Shelf life	2 years from date of manufacture and in sealed containers stored @ 25 °C
Pot life	Approximately 40 minutes (5 L mixed @ 25 °C)
Work life (epoxy)	Approximately 60 minutes (after spreading @ 25 °C)
Volume solids	Fast primer 90: 100%
Curing time @ 25 °C (in general)	Touch dry: 8 hours Light foot traffic: 24 hours Full cure: 7 days
Over-coating time @ 25 °C	Minimum: 12 hours Maximum: 36 hours
Application temp range	> 15 °C & < 35 °C
Maximum service temperature	60 °C
Shrinkage after cure	Negligible
Chemicals	Good resistance to water, oil, fats, greases, diesel, dilute acids and alkali.
Do not apply the coating if the humidity is in excess of 85% @ 21 °C or 75% @ 10 °C.	
Do not apply the coating if the substrate temperature is at least 3 °C (5 °C is better) above dew point.	

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst Fast primer 90 Construction Chemicals endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot - because Fast primer 90 has no direct or continuous control over where and how Fast primer 90 products are applied - accept any liability either directly or indirectly arising from the use of Fast primer 90. products, whether or not in accordance with any advice, specification, recommendation or information given by the company.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements. Fast primer 90 Construction Chemicals has a wealth of technical and practical experience built up over years in the company's pursuit of excellence in building and construction technology.

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