

Outline Specification

Mapei Mapeproof ESM Two-Component Damp Proof Membrane.

Introduction

This specification is for the application of Mapei Mapeproof ESM onto suitable cement-based subfloors as either a 1 or 2 coat system dependant on the moisture content.

As a one coat application up to a maximum moisture level of 92%RH and as a two-coat system up to a maximum moisture level of 97%RH.

Note: Mapeproof ESM is only suitable for heated subfloors when used as a two-coat system.

Surface Preparation

Substrate must be of sound construction, clean, laitance and contamination free, smooth, flat, and contain an effective structural damp proof membrane.

Application

One Coat Application

Apply Mapei Mapeproof ESM using an A2 V notched trowel and roll at right angles using a pre-wetted short haired pile roller.

Two Coat Application

Apply Mapei Mapeproof ESM using an A2 V notched trowel and roll at right angles using a pre-wetted short haired pile roller and allow to cure (approx. 5 hours)

Apply the second coat of Mapei Mapeproof ESM at right angles to the first.

It is essential that a pin-hole free coating is achieved and to maintain the consumption rate detailed below.

Coverage

13 m²/4kg unit (1 coat application) 20 m²/4kg unit per coat (2 coat application)

Unit size

4kg

Shelf life

Stored for 12 months, in its original, well-sealed packaging in a dry place protected from frost.

Application Temperature

+10°C to +35°C.

Additional system components

Latexplan Trade
Latexplan No Ammonia
Ultraplan Renovation
screed 3240

Latexplan Trade Fast
Ultraplan Eco 3210
Eco Prim T Plus
Eco Prim Grip Plus

Additional information

Please consult Health & Safety, product and application data or contact our Technical Services Department on 0121 5086970 or email technical@mapei.co.uk.

If you require a full NBS, letter recommendation, further specification information or standard details, please email specifications@mapei.co.uk

Technical Information:

Mapei Mapeproof ES is two-part epoxy that is applied as a 1 or 2 coat system which dries to provide a waterproof surface membrane; it impedes the passage of residual construction moisture from affecting subsequent floorcovering installations.

TECHNICAL DATA

Consistency:	Liquid
Colour:	Part A: Transparent Yellow Part B : Transparent Yellow
Unit Size:	Part A : 3kg Part B : 1kg
Density: (g/m³):	Part A : 1.12 Part B : 1.00
Maximum Permissible Residual Humidity for Waterproofing:	92%RH- One Coat Application – Unheated Only 97%RH – Two Coat Application – Unheated and Heated

APPLICATION DATA (at 23°C – 50% R.H.)

Application Temperature Range:	+10°C to +30°C
Drying Time:	Approximately 3-4 hours.
Waiting Time Before Applying the Smoothing Compound:	Approximately 3-4 hours

FINAL PERFORMANCE DATA

Final Hardening Time at 23°C:	7 days
Adhesion to Concrete (N/mm²):	>3 (breaking point of substrate)

NOTICE

The information contained herein and any other advice, are given in good faith based on Mapei's current knowledge and experience, and are adequate when the products are properly stored, handled and applied under normal conditions, in accordance with Mapei's recommendations. The information only applies to the applications and products expressly referred to herein and are based on laboratory tests which do not replace practical tests and may not fully reflect actual performance on site where application and service conditions will be different. In case of changes in the parameters of the application, such as differences in substrates, temperature and ambient moisture, etc., or in case of different service conditions, consult your local Mapei Technical Assistance prior to using the products. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The specialist contractor is responsible for strictly following the application recommendations contained in the available documentation. Users must always refer to the most recent local Technical Data Sheet for the product concerned which can be obtained from the web-site or local Mapei representative.