

# UMIFOND AS

WATER-BASED, ODOURLESS, ELECTRICALLY  
CONDUCTIVE EPOXY PRIMER FOR SLIGHTLY  
HUMID SURFACES



## DESCRIPTION

UMIFOND AS is a three-component, odourless formulation based on water-based epoxy resins and high-quality conductive fillers, suitable for slightly damp substrates and for self-levelling flooring systems with electrical conductivity.

## FIELDS OF APPLICATION

UMIFOND AS is used exclusively as a conductive layer under electrically conductive coatings such as APSELIV AS.

Electrically conductive coating on cementitious substrates and concrete for various industrial uses

## PACKAGING

Comp. A = 5 kg plastic buckets

Comp. B = 2,5 kg plastic buckets

Comp. C = 4 kg plastic buckets

## CONSUMPTION

300-500 g/m<sup>2</sup> per layer

1 kg/m<sup>2</sup> as a vapour barrier

## MIXING RATIO

The mixing ratio by weight is:

Comp. A : B : C = 5 : 2,5 : 4 kg

## FEATURES AND BENEFITS

- High conductivity;
- Easily workable;
- Fast drying.

## CERTIFICATIONS

ISO 9001 certified quality management system (Certificate No. IT.17.0227.01.QMS).

APSE S.r.l. is an active member of CONPAVIPER.



## SUBSTRATE PREPARATION

Concrete floor surfaces must be dry, clean and free from loose or detached parts. The relative humidity of the substrate must not exceed 4% and there must be no capillary rising damp: UMIFOND AS creates a vapour barrier. Holes and large irregularities must be repaired in advance with APSEFLOOR MALTA. Static cracks can be filled with AP300 FIX.

## PRODUCT PREPARATION

Before mixing the two components, thoroughly mix component A and briefly stir component B. Add the A+B mixture to component C. Add water if necessary.

## APPLICATION OF PRIMER

The surface must be pre-treated by applying APSEPRIMER NS 125 bonding primer, suitably loaded and applied with a smooth trowel (see technical data sheet). Do not use sand sprinkling on the primer.

## APPLICATION OF COPPER STRIPS

Installation of conductive and adhesive copper strips and connection to the earth terminal. Each earthing point is sufficient for an area of approximately 300 m<sup>2</sup>. However, their layout depends on the conditions of the construction site and must be defined on a case-by-case basis.

## APPLICATION OF THE CONDUCTIVE COATING

The conductive layer consists of UMIFOND AS primer, to be applied with a spatula in a single coat over the entire surface, covering the conductive units. UMIFOND AS should only be applied to the substrate when it is completely dry and prepared. Otherwise, the conductivity of the UMIFOND AS primer could be altered. Once UMIFOND AS has hardened, before applying the self-levelling coating, it is advisable to check the conductivity.

The cycle is completed with the application of APSELIV AS or VERNILUX POL AS conductive coatings as required (see technical data sheets).

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## CURING

Refer to the table below for drying times (at 20°C) and curing times.

Pot-life	1 hour
Over-applicability	36-48 hours
Complete curing	7 days

## CLEANING OF TOOLS

Tools used for the preparation and application of UMIFOND AS must be cleaned immediately after use with DILUEPOX, preferably with warm water. Once the product has hardened, it can only be removed mechanically.

## HEALTH AND SAFETY, WARNINGS

For information on safety regulations, hazard and precautionary statements, please refer to the latest safety data sheet, by request at:

[ufficiotecnico@apsebg.it](mailto:ufficiotecnico@apsebg.it)

## STORAGE

Shelf life 12 months, if stored in original packaging, in a cool, dry place. Store at temperatures between +5°C and +35°C.

If frost or crystals form, heat the plastic containers in a bain-marie.

## DISPOSAL

Dispose of contents and/or container in accordance with local regulations.

## PRODUCT TECHNICAL DATA

### PHYSICAL CHARACTERISTICS (at +20°C)

FEATURE	STANDARD	RESULT		
		COMP. A	COMP. B	COMP. C
Appearance	-	Liquid	Liquid	Powder
Colour	-	White	White	White
Specific weight	EN ISO 2811-1	1,10 g/cm <sup>3</sup>	1,30 g/cm <sup>3</sup>	-
Viscosity	EN 8490	9000 cps	15000 cps	-

The above data are information obtained based on our best technical knowledge, application, and research experience. However, since we are unable to intervene directly in site conditions and work execution, they represent general indications that do not bind APSE S.r.l. in any way. - V&V Group. The information given does not relieve the purchaser of his responsibility to personally test our products as to their suitability with regard to their intended use. The customer is also responsible for verifying that this data sheet is valid for the batch of product of interest to him and is not outdated as superseded by later editions. If in doubt, contact our Technical Department in advance. APSE S.r.l. - V&V Group reserves the right to make technical changes of any kind without prior notice. This revision cancels and supersedes all previous ones, all under the continuous verification of data according to the new current Standards and our ISO 9001 management system. Please feel free to check the most up-to-date version of this Data Sheet on our website [www.apse.it](http://www.apse.it)

