



DESCRIPTION

APSEPRIMER AS is a two-component, solvent-based epoxy resin formulation with high-quality conductive fillers, suitable for creating base coats for electrically conductive self-levelling flooring systems.

FIELDS OF APPLICATION

- APSEPRIMER AS is used exclusively as a conductive layer beneath electrically conductive coatings such as APSELIV AS;
- Electrically conductive coating for cementitious substrates and concrete for various industrial uses.

PACKAGING

Comp. A = 15 kg in metal can

Comp. B = 3 kg in metal can

CONSUMPTION

Indicative consumption: 0.2–0.3 kg/m²

MIXING RATIO

Comp. A : Comp. B = 5 : 1

CHARACTERISTICS AND ADVANTAGES

- High conductivity;
- Easy to apply;
- Fast drying.

CERTIFICATIONS

APSEPRIMER AS complies with

UNI EN 13813: screed materials (DoP no. 472).

Quality management system certified according to

ISO 9001 (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 of friable or loose parts. The substrate's relative humidity must not exceed 4%, and there must be no rising damp; if present, apply a vapour barrier using UMIFOND 3C. Holes and major irregularities must be repaired beforehand with APSEFLOOR MALTA. Static cracks can be filled with AP300 FIX.

PRODUCT PREPARATION

Before mixing the two components, thoroughly stir component A and briefly stir component B. Then pour component B into container A and mix with a drill and low-speed mixer until fully homogenised.

APPLICATION OF THE PRIMER

The surface must first be treated with the bonding primer APSEPRIMER NS 125, properly filled and applied using a smooth trowel (refer to the corresponding technical data sheet).

Do not broadcast sand on the primer.

APPLICATION OF COPPER STRIPS

Lay the adhesive conductive copper strips and connect them to the grounding system. One grounding point is sufficient for an area of approximately 300 m². Their arrangement depends on jobsite conditions and must be determined case by case.



APPLICATION OF THE CONDUCTIVE LAYER

The conductive layer consists of the primer APSEPRIMER AS, applied with a roller in a single coat over the entire surface, covering the conduction units.

While the product is still fresh, broadcast silicon carbide.

APSEPRIMER AS must be applied to the substrate only when it is completely dry and properly prepared. Otherwise, the conductivity of APSEPRIMER AS may be compromised. Once APSEPRIMER AS has cured, before applying the self-levelling coating, it is advisable to check the conductivity.

The system is completed by applying the conductive coatings APSELIV AS or VERNILUX POL AS, depending on the requirements (see respective technical data sheets).

CURING

For drying and curing times at 20°C, refer to the table below.

Workability time (Pot-life)	1 hour
Overcoating time	36-48 hours
Full cure	7 days

WARNINGS

Do not use if the container is damaged.

CLEANING OF TOOLS

Tools used for the preparation and application of APSEPRIMER AS must be cleaned immediately after use with DILUEPOX solvent. Once the product has hardened, removal can only be carried out mechanically.

HEALTH AND SAFETY WARNINGS

For information on safety regulations, hazard indications and precautionary advice, refer to the most recent safety data sheet, available upon request at: ufficiotecnico@apsebg.it

STORAGE

Shelf life of over 12 months when stored in the original unopened containers, in a dry place and protected from moisture.

Store at temperatures between +5°C and +35°C.

DISPOSAL

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

PHYSICAL CHARACTERISTICS (at +20°C)

CHARACTERISTIC	STANDARD	RESULT	
		COMPONENT A	COMPONENT B
Appearance	-	Liquid	Liquid
Colour	-	Black	Dark brown
Specific weight	EN ISO 2811-1	1.3 g/cm ³	1.0 g/cm ³
Viscosity	EN 8490	3000 cps	300 cps

PRODUCT PERFORMANCE ACCORDING TO EN 13813

CHARACTERISTIC	STANDARD	RESULT
Adhesion strength	EN 13892-8	2.0 N/mm ²
Reaction to fire	EN 13501-1	F _{fl}

The data given above are information obtained from 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

