

RESINGLASS ALI

EPOXY COATING
SUITABLE FOR FOOD CONTACT



DESCRIPTION

RESINGLASS ALI is an epoxy resin-based, solvent-free formulation containing selected pigments and mineral fillers specifically designed for coating concrete surfaces where a coating suitable for food contact is needed. It is supplied in two components (A+B) pre-dosed.

RESINGLASS ALI, coated with HYBRID admixed with 7% glass microspheres 212/63, gives the treated surface a slip resistance of R11.

RESINGLASS ALI can be used as a self-leveling coating with a minimum thickness of 2 mm.

FIELDS OF USE

RESINGLASS ALI is suitable for the following applications:

- Continuous interior lining of tanks, plants, pipelines, storage tanks for the containment and transportation of drinking water, wine, beer, milk, canned goods, etc.;
- Continuous interior lining of silos used for storage of grains, sugar, solid food substances;
- Olive storage and processing rooms in the oil industry;
- Slaughtering and meat processing industry;
- Canning industry;
- In all areas where hygienic and easy-to-clean environmental conditions are required, such as: the pharmaceutical industry, hospitals, schools, clinics, locker rooms, etc.

PACKAGING

Comp. A = 10 kg tin

Comp. B = 2.5 kg tin

CONSUMPTION

Painting:

From 0.200 to 0.300 kg/m² per coat (two coats recommended)

Self-leveling coating:

2.5–3.0 kg/m² for 2 mm thickness

COLORS

Consult our Technical Service

MIXING RATIO

Comp. A : Comp. B = 10 : 2,5

CHARACTERISTICS AND BENEFITS

RESINGLASS ALI has the following characteristics:

- Suitable for contact with food substances;
- Excellent resistance to abrasion;
- High adhesion to the substrate;
- Absence of divestment;
- Good resistance to light;
- Ease of cleaning and maintenance;
- High glossiness;
- Good chemical resistance to alkalis and acids;
- Excellent mechanical properties;
- High hiding power;
- Unaffected by contact with water at temperatures up to 70°C.

CERTIFICATIONS

RESINGLASS ALI meets the requirements (for contact with food substances) contained in "Circular 102" of the Ministry of Health (test report no. 1493-2009)

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

Surfaces must be clean, free of dust, oil, grease, crumbly parts, paint residues and in any case anything that could harm adhesion. For concrete substrates we recommend the use of APSEPRIMER NS 125 primer applied by roller or shaving suitably loaded with quartz sand.

In the case of subfloors with the presence of rising damp, it is essential to create a barrier with the use of UMIDFOND 3C applied in two smooth coats. Any metal substrates in the affected areas must be free of rust, rolling slag and other impurities. To this end, we recommend intervening with vigorous brushing and with appropriate METALPRIMER primer.



PRODUCT PREPARATION

Pour component B (catalyst) into component A (resin) and mix with a drill at low speed to avoid air incorporation.

METHOD OF APPLICATION

Application as a coating

The mixed product can be applied using a short-haired roller or by spraying (in this case also as a single coat, if with suitable spray). To achieve a better aesthetic effect, it is recommended to apply the product by crossing the passes and taking care not to exceed the recommended doses.

Application as a self-leveling coating

It is recommended to spread and level the mixture, then smooth it with a spiked roller using cross passes to help release trapped air.

It may be necessary to delimit the areas where RESINGLASS ALI is applied using paper tape or adhesive strips of appropriate thickness.

RESINGLASS ALI should be applied at a temperature between +5°C and +30°C.

CURING

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

Workability time (Pot-life)	35 minutes
Time to start setting	60 minutes
Out of dust	2-4 hours
Walkability	24-36 hours
Heavy carriageability	5-7 days
Complete curing	7 days

WARNINGS

Do not use if the container is damaged.

CLEANING OF TOOLS

Tools used for mixing and material application can be cleaned with DILUEPOX thinner for epoxy products.

Hardened material on the tools and mixer can be removed mechanically.

HEALTH AND SAFETY WARNINGS

For information on safety regulations, hazard statements and cautionary advice, rely on the latest MSDS by making a request to:

ufficiotecnico@apsebg.it

STORAGE

Shelf life of 12 months when stored in original packaging in a dry, moisture-free place. Store at temperatures between +5°C and +25°C.

DISPOSAL

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

**TECHNICAL DATA OF THE PRODUCT****PHYSICAL CHARACTERISTICS OF THE TWO COMPONENTS (at +20°C)**

CHARACTERISTIC	STANDARD	RESULT	
		COMPONENT A	COMPONENT B
Appearance	-	Liquid	Liquid
Available colors	-	Colored	Transparent
Dry residue	EN ISO 3251	100%	100%
Specific gravity	EN ISO 2811-1	1.45 g/cm ³	0.99 g/cm ³
Viscosity	EN 8490	4000 cps	250 cps

PRODUCT PERFORMANCE ACCORDING TO UNI EN 13813 STANDARD

CHARACTERISTIC	STANDARD	RESULT
Taber abrasion resistance after 7 days (H22 wheel, 1000 g, 1000 revolutions)	EN ISO 5470-1	60 mg
BCA wear resistance	EN 13892-4	10 µm
Impact resistance	EN ISO 6272	20 N.m
Adhesive strength	EN 13892-8	>3,1 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 be sure to check the most up-to-date version of this Data Sheet on our website: www.apse.it

