



DESCRIPTION

It is a hydraulic binder-based, two-component premix that allows for smooth and uniform coatings. Its physical-mechanical characteristics make it possible to produce continuous, low-thickness coatings with high abrasion resistance. Can also be used on vertical surfaces. MINIRASEX® is the first layer that makes up the MINIRASEX® System.

FIELDS OF USE

MINIRASEX® is versatile and easy to apply. It can be applied directly to previously prepared mineral, absorbent and nonabsorbent surfaces. Allows for highly decorative flooring and coatings for:

- stores and showrooms;
- private and residential construction;
- wellness centers;
- laboratories;
- bars and restaurants;
- in general in all cases where a cloudy or spatulate effect is required.

PACKAGING

MINIRASEX® is supplied in premeasured packages:

Component A = 17 kg in plastic buckets
Component B = 5 kg in plastic canisters

CONSUMPTION

1.5 kg/m² per mm of thickness. Thickness to be applied about 2 mm.

MIXING RATIO

Component A : Component B = 17 : 5 kg

CHARACTERISTICS AND BENEFITS

- Surfaces coated with MINIRASEX® are thin, continuous, monolithic and have a high decorative effect with a natural appearance;
- MINIRASEX® is colorable with color toners according to our color chart;
- Odor-free;
- It does not require demolition of existing substrates and allows for low-thickness (approx. 2 mm) continuous coatings on surfaces such as ceramic, marble, plaster, concrete, wood and metal ;
- Fast application.

CERTIFICATIONS

MINIRASEX® meets the requirements of UNI EN 1504-2: Concrete surface protection systems (DoP No. 460).

Meets the requirements of EMICODE EC1 PLUS, for products with very low emissions of volatile organic compounds (VOCs).

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 should be flat, clean, and free of dust, oil, grease, mud, crumbly parts, paint, and in any case of anything that could harm adhesion. Surfaces should be adequately roughened with the appropriate mechanical equipment.

Prime the surface with APSEPRIMER NS 125 and, while the product is still fresh, apply a broadcast layer of quartz sand 0.1–0.5.

In the case of uneven surfaces or ceramic coverings, apply two coats of APSEPRIMER NS 125 loaded with quartz sand (see the relevant technical data sheet), embedding a synthetic mesh between the coats. Depending on the unevenness of the surface or the width of the joints, additional primer coats may be required to properly level the surface. On surfaces affected by rising damp, the substrate must be prepared by applying UMIFOND 3C or UMIFOND HR 2C.

**PRODUCT PREPARATION**

MINIRASEX® is supplied in premeasured packages. If required, add the necessary coloring (color toner) in comp. B (liquid part) and shake very well. Pour slowly under agitation the comp. B into comp. A and continue until homogenized, if necessary adjusting the density with small additions of water.

METHOD OF APPLICATION.

Apply MINIRASEX® to properly prepared substrate with a smooth trowel. In case of two-coat application, sand with fine glass paper between coats.

Apply the product at temperatures between +5°C and +35°C.

APPLICATION OF THE FINISH

If a very smooth surface is required, apply a finishing coat with MINIRASEX® FINE (see data sheet). MINIRASEX® can be finished with various types of impregnating agents. As a matte or gloss finish, we recommend painting with VERNILUX POL TR clear coat, or with the hybrid and high-strength product HYBRID n-COAT®.

CURING

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

Workability time (Pot-life)	30 minutes
Touch-drying time	2-4 hours
Waiting time between first and second coat	4-6 hours
Walkability	12-24 hours
Final setting time	7 days

CLEANING OF EQUIPMENT

Equipment used for preparing and applying MINIRASEX® should be cleaned immediately after use with water, preferably warm water. Once hardened, the product must be removed mechanically.

WARNINGS

Do not use if the container is damaged.

HEALTH AND SAFETY.

For information on safety regulations, hazard statements and precautionary advice, rely on the latest MSDS by making a request at: ufficiotecnico@apsebg.it

STORAGE

Shelf life of 12 months when stored in original packaging in a cool, moisture-free place. Store at temperatures between +5°C and +35°C.

DISPOSAL

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


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

FEATURE	STANDARD	RESULT	
		COMP. A	COMP. B
Appearance	-	Powder	Liquid
Color	-	White	White
Specific gravity	EN ISO 2811-1	1.9 g/cm ³	1.01 g/cm ³
Viscosity	EN 8490	-	150 cps

PHYSICAL CHARACTERISTICS OF THE MIXTURE (at +20°C)

FEATURE	STANDARD	RESULT
Color	-	Colored
Consistency of the mixture	-	Paste
Specific gravity	EN ISO 2811-1	195 g/cm ³

EMISSION OF VOLATILE ORGANIC SUBSTANCES

PARAMETER	STANDARD	RESULT	EC1 PLUS REQUIREMENT
3-day VOC emission	EN 16516	78 µg/m ³	≤750 µg/m ³
28-day VOC emission	EN 16516	<5 µg/m ³	≤600 µg/m ³

Tests performed at Eurofins test laboratory, test report No. 392-2021-00642601_G_EN, according to EMICODE EC1 PLUS requirements.



PRODUCT PERFORMANCE ACCORDING TO EN 1504-2 STANDARD

FEATURE	STANDARD	RESULT
Permeability to CO ₂	EN 1062-6	R>50
Permeability to water vapor	EN ISO 7783	Class I
Capillary absorption and water permeability	EN ISO 1062-3	<0.1 kg/m ² xh ^{0.5}
Adhesion strength by direct traction	EN 1542	>2.0 N/mm ²
Adhesion on wet concrete	EN 13578	No bulges, No cracking no spalling
Wear resistance	EN 13892-4	AR 0.5
Compressive strength	EN 12190	C25
Flexural strength	EN 13892-2	F7
Static punching resistance	UNI 8298-3	No material failure
UV radiation and humidity cycling conditioning		No blistering (EN ISO 4628-2) No cracking (EN ISO 4628-4) No flaking (EN ISO 4628-5) No colour variation
Thermal conductivity	EN 1062-11	0.20 W/m·K
Slip/skid resistance	EN ISO 12524	≥ 50 units with dry test (indoor) ≥ 45 units with wet test (indoor)
Chemical resistance (absorbent medium method)	EN 2812-1	No visible defects

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 any previous revision, all under the continuous verification of the 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

