



DESCRIPTION

APSECOR S is a high mechanical resistance aggregate for monolithic floors, used in industries and warehouses with high traffic, airports, hangars, logistics, ceramic production, ports, intensive warehouses, etc...

APSECOR S is composed of a mixture of mineral aggregates and synthetic abrasives (corundum and silicon carbide in quantities equal to or greater than 20%). Ready to use, pre-mixed with cement, it is produced in 7 different colors.

Special colors are available on request.

APSECOR S can be applied either as a powder or as a paste.

FIELDS OF USE

The main fields of use are:

- New flooring in commercial and industrial construction;
- Logistics warehouses;
- Depots, couriers, freight forwarders;
- Interports, storage areas;
- Loading platforms;
- Airport and maritime hangars;
- Garages, parking lots;
- Access ramps to garages or parking lots;
- Automotive industries, etc.;
- Ceramic industries;
- Ports.

PACKAGING

25 kg polythene-coated paper bags.

CONSUMPTION

Consumption with manual application:

First coat: from 2 kg to 3.5 kg/m²

Second coat: from 1.5 kg to 2 kg/m²

Consumption with mechanical application with spreader (immediate telescopic sprinkling machine): up to 8-12 kg/m².

FEATURES AND ADVANTAGES

- Increases the mechanical resistance of the surface to abrasion;
- Pleasant aesthetic effect;
- Adheres monolithically to the surface;
- Excellent impact resistance;
- Excellent resistance to slipping and scraping;
- Can be coated with METALCRIL, VERNILUX and does not generate oxidation;
- The finish can be smooth or non-slip;
- When treated with METALCRIL, it provides excellent resistance to atmospheric agents, freezing and thawing, and the attack of de-icing salts, and makes it water-repellent;
- Meets the requirements defined in the UNI EN 13813 standard.

CERTIFICATIONS

APSECOR S complies with UNI EN 13813: materials for screeds (DoP No. 210).

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

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



**DRY APPLICATION****Concrete quality**

The concrete mix must be formulated with a suitable aggregate to achieve the desired result.

The air content/entrapped air in the concrete must be less than 3%.

APSECOR S sprinkle must be applied to the concrete as soon as it can support the weight of a man (perform the footprint test), normally after 4–12 hours depending on the temperature and weather conditions.

Surface preparation

Large areas of concrete should be cast using a laser screed.

For smaller areas, a suitable surface can be created by first preparing the level planes and levelling them with aluminium strips.

Product preparation

The product is ready to use for sprinkle application.

Sprinkle application method

For best results, two coats of sprinkle should be applied in the manual system. When using a mechanical applicator (sprinkle brush), one coat may be sufficient.

In the manual system, the first coat of APSECOR S sprinkle must be applied evenly over the surface with a consumption of 2 kg to 3.5 kg/m², while the second coat should be applied with a consumption of 1.5 kg to 2 kg/m².

When applying mechanically with a spreader (telescopic sprinkle brush), consumption can reach 8-12 kg/m².

When applying mechanically with a spreader

(telescopic sprinkle tool), consumption can reach 8-12 kg/m².

Once APSECOR S sprinkle has absorbed all the moisture, the surface must be smoothed using a manual trowel for corners and edges, while the main surface will be smoothed mechanically with a vibrating compactor (helicopter).

To obtain a hard and smooth surface, use a helicopter with finishing blades. To obtain a good smooth finish on light colors, use Teflon blades.

APPLICATION OF APSECOR S TOP PASTE**Surface preparation**

Large areas of concrete should be poured using a laser screed.

For smaller areas, a suitable surface can be created by first preparing the level planes and levelling them with aluminium strips.

Before applying the paste, pass the helicopter over the surface of the casting and only then apply the APSECOR N paste in the required quantity.

Preparation of the paste

Add the necessary mixing water to the mixer (cup mixer) to obtain a dense and homogeneous mixture (13-14% water by weight of the mixture). Only at the end, add the remaining water to soften the mixture. When using a pump, use several meters of hose to allow the additives to take effect. Once the right consistency has been achieved, work the paste with helicopters until the desired smoothness is obtained.

Paste application method

When APSECOR S TOP has reached the right consistency (walkability), the surface must be smoothed using a manual trowel for corners and edges, while the main surface will be smoothed mechanically with a vibrating compactor (helicopter). To obtain a hard and smooth surface, use a helicopter with finishing blades. To obtain a good smooth finish on light colors, use Teflon blades.

APPLICATION OF APSERING AQ

(anti-evaporation curing agent)

- APSERING AQ must be applied immediately after finishing;
- APSERING AQ is applied with a low-pressure spray evenly over the entire surface with a consumption of 100 g/m².

CURING

It is essential to adhere to the curing times before the floor is put into service.

For curing times (at +20°C), refer to the table below:

Pot life	35 min
Initial setting	60 min
Pedestrian traffic	24-36 hours
Light traffic	14 days
Full curing	28 days


CLEANING OF TOOLS

Clean with water while the product is still fresh.
Mechanically after hardening.

WARNINGS

Do not use if the bag is damaged.
Do not add additives unless specified by the manufacturer.
Do not add water once the product has started to set.

HEALTH AND SAFETY WARNINGS

For information on safety regulations, hazard warnings, and safety precautions, refer to the most recent safety data sheet, which can be requested at: ufficiotecnico@apsebg.it

STORAGE

Shelf life of 12 months if stored in original packaging in a dry place free from moisture. 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 PROPERTIES (at +20°C)

FEATURE	STANDARD	RESULT
Appearance	-	Powder and granules
Color	-	gray, red, green, tobacco, yellow-Gb42
Application temperature	-	From +5 to +35°C
Density of mixture	EN 1015-6	1.8 ± 0.5 g/cm ³

PRODUCT PERFORMANCE IN ACCORDANCE WITH UNI EN 13813

FEATURE	STANDARD	RESULT
Compressive strength	EN 13892-2	≥ 70 N/mm ²
Flexural strength	EN 13892-2	≥ 10 N/mm ²
Bohme abrasion resistance	EN 13892-3	≤ 3 cm ³ /cm ²
Reaction to fire	EN 13501-1	A1 _{fl}

CHEMICAL PROPERTIES

Quartz color (natural)	White - yellow
Origin	sedimentary metamorphic
Grain size (mm)	0,50 - 0,70 - 1 - 2 - 3
Loss on ignition (LOI)	0,2%
Mohs hardness scale	7° - 9

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

