

TECHNICAL DATA SHEET

ACRIL-FIX D 5.11



PRODUCT AND COMPANY IDENTIFICATION

Product name:	ACRIL-FIX D 5.11
Uses:	Transparent methacrylic coating to protect the concrete.
Supplier:	FIXER PAVIMENTOS TECNICOS, S.L. P.I. "La Muntanya" Parcelas 44 y 45 46293 - Beneixida (Valencia) Tel: +34 96 297 66 30 administracion@fixer.es
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Description

ACRIL-FIX D 5.11 is a mono-component transparent coating, based on methacrylic resin, solvent-based, resistant to alkalis, ageing and weathering, for the sealing and anti-carbonation protection of concrete and agglomerate substrates. Tolerant to the humidity of the substrate to be coated.

ACRIL-FIX D 5.11 protects surfaces from environmental exposure by colouring and without varying the permeability to water vapour. Facilitates the cleaning of surfaces.

Uses

- Protection against carbonation of trowelled and polished concrete.
- Concrete sealing for road traffic.
- Anti-carbonation protection in civil works.
- GAME-FIX sports floor protection.

Characteristics

- Low viscosity.
- High adherence power.
- Easy to apply.
- Possibility of use in asphalt.
- Excellent adhesion even on wet substrates.
- Permeable to water vapour.

Technical properties

Type: Mono-component liquid.

Aspect: Transparent liquid.

Chemical base: Solvent-based acrylic resins.

Density: ~ 0.95 g/cm³. Data measured at 23°C

Solids content: ~ 40% (by volume)

Colors: Usually transparent. It can be supplied in the colours of the GAME-FIX range.

Concrete quality: Compressive strength at least 25 N/mm² and tensile strength not less than 1.5 N/mm².

Packaging and storage

ACRIL-FIX D 5.11 is supplied in 20 kg bucket. It must be stored in its original packaging, in a dry place with temperatures between 10°C and 30°C. Its lifespan is 24 months from production date, properly preserved.

Application

Surface preparation

Before applying the product, check the humidity of the substrate (the concrete may be max. 8% wet, but not flooded), the relative humidity of the air and the dew point.

Surface must be clean of dust, grease, oil and any other foreign material. A surface treatment by shot blasting, sanding or roughing may be necessary.

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As it is a product with solvents, a correct ventilation of the application room must be ensured.

Handling

The product is ready for use. Homogenize in its packaging before application. Can be applied with brush, roller or rubber scraper.

Consumption

Depending on the type of substrate (trowelled or polished concrete, mortar, acrylic paint...), the approximate consumption is 100 to 200 g/m² per coat, 2 coats may be necessary to cover the substrate completely.

These consumptions are theoretical and depend on the roughness of the support, so they must be adjusted for each particular work with "in situ" tests.

Tools

Roller or brush and airless gun. They should be cleaned immediately after use with Xylene. The hardened material can only be removed by mechanical means.

Working time

Temperature	Time
10°C	~ 60 minutes
25°C	~ 40 minutes

Drying time

Substrate temperature	Minimum	Maximum
10°C	~ 8 hours	~ 2 days
25°C	~ 4 hours	~ 1 day

Ready to use

Temperature	Pedestrian traffic	Light traffic	Total curing
10°C	~ 24 hours	~ 3 days	~ 7 days
25°C	~ 18 hours	~ 2 days	~ 7 days

These times are approximate and can be affected by changes in environmental conditions, mainly temperature, ventilation of the painted area and relative humidity.

Application notes

Once applied, **ACRIL-FIX D 5.11** must be protected against moisture, condensation and water for at least the first 24 hours. The temperature of the substrate must always be above 10°C, and the relative humidity must not exceed 70% in any case. Operators must wear all personal protective equipment such as masks, gloves, footwear and appropriate protective clothing.

Avoid all contact with the skin and do not bring it near the eyes. Wash affected skin surfaces immediately with soap and water. Work tools must be cleaned with solvent such as xylene, etc.

The existing expansion joints in the floor will be respected by cutting them in the floor as well. It is possible that, due to structural faults or bad cuts, some of them will appear on upper coating; in this case, it would be cut and sealed a posteriori with elastic slurry. The problem of cracks is very variable and the causes, in most cases, are not conclusive, so in the case of static cracks of small thickness, they must be filled and levelled with polyurethane resins, or even covered with a fiberglass mesh.

Dynamic cracks (>0.4 mm) must be assessed. If necessary, select an elastic seal material, and treat them as moving joints. Incorrect assessment and treatment of cracks may reduce the service life of the pavement and may lead to appearance of cracks in the upper layers of the pavement.

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If a heating of the enclosure is necessary, do not use heating that requires diesel or gasoline, as they can negatively affect the final finish of the flooring. Only use electric air blowers.

Precautions

For any information regarding safety issues in the use, handling, storage and disposal of chemical waste, it should be borne in mind that the final holder of the product is responsible for the proper disposal of waste through the authorized manager.

Users should consult the latest version of the product Safety Data Sheet, which contains physical, ecological, toxicological and other safety-related data.

This product is subject to ADR road transport conditions and vehicles must be equipped to comply with these regulations. Do not store in rooms below 10°C to avoid crystallization problems.

LEGAL NOTICE

This information, and in particular the recommendations regarding the application and final use of the product, are based on Fixer's experience and knowledge, when the product has been applied and handled within the limits described in the current data sheet. If the environmental conditions of temperature and humidity, or the support conditions change, they may lead to differences in the data indicated in this technical sheet. For this reason, it is not deductible of the information of the present document, of any other written recommendation, or of any offered advice, any guarantee or obligation outside of any legal relation that could exist. Customers and users must know and use the latest and updated version of the Product Data Sheets, a copy of which will be sent to anyone who requests them.