

Technical Data Sheet

ACE DECOFLOOR 80

DESCRIPTION

ACE DECOFLOOR 80 is a polyaspartic aliphatic polyurea system with excellent mechanical properties.

Cold-applied polyaspartic aliphatic polyurea system, with which continuous, flexible, hygienic floorings with decorative finishes and fire-classified as BFI-S1 are created in-situ.

They are suitable for both interiors and exteriors, since they are weather-resistant and UV-resistant flooring, and thanks to the high hardness of the finishing layer, floors are achieved with extraordinary resistance to scratches, marks, bumps... They also have an anti-graffiti finish that does not leave tire marks.

For all these reasons and because of their rapid commissioning, they are the ideal solution for flooring in hospitals, agri-food industries, vehicles, schools... that require great resistance, high durability and decorative finishes.

The drying and transit time of ACE DECOFLOOR 80 is much lower than that of polyurethane systems, and it dries quickly even at low temperatures, allowing it to be put into use very quickly.

SYSTEM PROPERTIES

- Excellent resistance to weathering and UV.
- Fast drying times between coats, allowing transit in just a few hours.
- Excellent appearance, admits decorative finishes with the addition of colored vinyl or quartz chips.
- High level of solids allows to apply layers of great thickness in a single coat.
- The system cures quickly even at low temperatures.
- Little smell.
- Good flexibility and adherence.
- Great hardness.
- Good resistance to common cleaning products and various chemical substances.
- Admits class 3 non-slip finish according to UNE EN 12633:2003 with mineral aggregates or microspheres.
- Excellent fire behavior.

Technical Data Sheet

ACE DECOFLOOR 80

SCOPE

- High-thickness pavement coating for concrete subjected to continuous traffic.
- UV protector for ACE polyurea and aromatic polyurethane systems.
- Decorative, continuous and hygienic flooring for hospitals, bus stations, libraries, supermarkets, markets, etc.
- Classified BFI-S1 to fire according to UNE-EN 9239-1 and 11925-2.
- Cold rooms.
- Coating of all types of metallic and concrete elements in aggressive environments.

INFORMATION ON COMPONENTS

DESCRIPTION	COMPONENT A (Isocyanate)		COMPONENT B (polyaspartic resin)	
Physical state	Liquid		Liquid	
Solid content	100%		100%	
Flash point	>100°C		38°C	
Color	Transparente		Transparente/color RAL	
Density	1,15 gr/cm ³		Transparent: 1gr/cm ³ Pigmented: according to color	
Viscosity (Brookfield)	Temp. (°C)	Visc. (mPas)	Temp. (°C)	Visc. (mPas)
	35	260	35	15
	25	450	25	25
	10	725	10	45

Technical Data Sheet

ACE DECOFLOOR 80

SYSTEM INFORMATION

PROPERTY	RESULT STANDARD	TEST
Pot life	Temp. 23°C and HR 40%: 30 minutes	EN ISO 9514
Viscosity	Transparent: 105 mPas Pigmented: 115 mPas	EN ISO 2555
Hardness (SHORE D)	52	UNE EN 53510
Elongation	80%	UNE EN 53130
Tensile strength	≥ 16 Mpa	UNE EN 53130
Adhesion	On polyurea membranes: > 1.75 Mpa On concrete: > 3 Mpa	EN 1542:1999
Aging in chlorinated water 3 ppm at 75°C	No visible color change after 6 months	Internal test
UV resistance after aging in chlorinated water	Delta 0,55	QUV 1000h
Crack-bridging capacity (-30°C)	Complies 2.00 mm	ETAG 005/EAD A4-10

SUPPORT REQUIREMENTS

1. The ambient temperature should be between 8°C and 30°C and the relative humidity should not be higher than 60% unless it does not reach the dew point.
2. The support to be treated must have an open pore and the following minimum mechanical resistance:
 - Minimum tensile strength of 1.5 N/mm².
 - Resistance to compression: minimum 25 N/mm².
3. The support must be dry, with surface moisture less than 4%, minimum capillary moisture and no water pressure. If moisture on the substrate is suspected, a suitable primer should be used.
4. Shall be clean and free of rust, grease, oil, loose coatings, or any contaminant that will adversely affect system adhesion.
The temperature of the support must be between 10°C and 25°C and always 3°C above the dew point.

Technical Data Sheet

ACE DECOFLOOR 80

APPLICATION

Before application, shake each one of the components separately in its individual container, shaking at low revolutions (300-400 rpm) so as not to aerate the product.

Then mix the two components together for at least three minutes and apply the product for the next 15 minutes. Try not to make large quantity mixtures and remember that at higher temperatures the workability time decreases.

For roller application, use a sponge or synthetic type, with short hair, anti-drip or anti-splash of those commonly used for epoxy paints.

May be thinned with up to 20% butyl acetate or xylene (slower cure).

It can be applied over the polyurea waterproofing membrane on the same day.

DRYING TIMES

Drying time can vary depending on environmental conditions, increasing the speed of drying with increasing temperature and humidity and decreasing with increasing thickness.

Values with 250 gr/m²:

Environmental conditions	Dry to the touch	Total	Light traffic
22°C. 40% RH	1.5h	3h	3h
8°C. 50% RH	2.5hrs	5hrs	5hrs

Contact with water: consult our technical service.

COMMISSIONING

- Transitability:

Light traffic: 48 hours after its application.

Road or highly aggressive traffic: 5-7 days depending on ambient temperatures.

-Avoid immersion in water up to five days after application.

STORAGE AND EXPIRY

Store at a temperature between 10-30°C away from moisture.

The product can be used up to 12 months after the date of manufacture if kept in its original sealed containers.

Technical Data Sheet

ACE DECOFLOOR 80

CONSUMPTION

ACE DECOFLOOR 80 can be applied in any thickness, depending on the system.

In pavements and for decorative or non-slip finishes, two coats will be applied, sprinkling the chips, mineral aggregates or microspheres between the two coats. For contact with chlorinated water, one or two colored coats and a transparent finishing coat will be applied.

TOOL CLEANING

Component A and B can be cleaned with solvent. Given the rapidity of the product's drying, A+B mixture stains must be cleaned quickly with special stripping products or mechanical means.

MAINTENANCE

Daily wet scrubbing can be done with neutral PH soap products. Solvents should be avoided for cleaning as they can severely damage the product.

SECURITY AND ENVIRONMENT

ACE DECOFLOOR 80 contains isocyanates and flammable solvents. The handling of these products requires prior consultation of the safety data sheet.

Ensure good ventilation in the work area, avoid inhalation or skin contact with the product by wearing goggles, gloves and a mask at all times.

This is a product intended exclusively for professional users.

Empty containers must be handled as hazardous waste and must be delivered to an authorized waste manager, for treatment according to applicable legislation in your area. Do not pour waste into drains or rivers.

WASTE MANAGEMENT

In accordance with what is established in Law 11/1997 and in Art. 18.1 of the Regulation that develops it, "the person responsible for the delivery of the packaging waste or used packaging for its correct environmental management will be the final owner of the same".

Technical Data Sheet

ACE DECOFLOOR 80

SAFETY INDICATIONS

These chemicals are for PROFESSIONAL USE. Read and make sure you understand the Safety Data Sheets before using them and follow their instructions about their use, handling, storage, transportation, etc.

The application must be carried out using the usual personal protection elements to avoid ingestion, inhalation or contact with the skin or eyes, that is, using protective gloves and safety glasses and a mask with filters or a full face mask with clean filters.

Close containers after use and avoid prolonged exposure to air. After application, the containers will be kept tightly closed and no residue will be thrown down the drains.

The elimination of empty containers will be carried out in accordance with the current environmental law and corresponds to the owner of the same.

WARRANTY AND LIMITATIONS OF LIABILITY

Ace Coatings warrants solely that the quality of the product meets its stated specifications at the time of production and that the product is delivered free of any legitimate third party claims of misuse of US patents associated with the product.

Ace Coatings disclaims all other warranties expressed or implied by law or trade practice, including but not limited to any warranty of fitness for a particular purpose or use.

Any claim submitted under this guarantee must be presented by the buyer directly to Ace Coatings, by written communication within a maximum period of 5 days from the detection of the defect, in no case beyond the expiration date of the product, or in any case, no later than 1 year from the date of delivery of the product to the buyer (the earlier option will be valid).

The buyer will not be able to make use of the guarantee if he does not notify Ace Coatings of the non-conformity as indicated above. Ace Coatings shall, in no event and under no circumstances (including negligence of any kind, strict liability or damages), be liable for any indirect, special, incidental or consequential damages related to, arising out of or resulting from any use of the product.

The information contained in this document is for guidance only and is based on laboratory tests that Ace Coatings believes to be reliable.

Ace Coatings may change the information contained in this document at any time as a result of its practical experience and continuous development of the product.

Technical Data Sheet

ACE DECOFLOOR 80

All recommendations or suggestions relating to the use of Ace Coatings products, whether issued in the form of technical documentation in response to a specific inquiry or otherwise are based on data which, to the best of Ace Coatings' knowledge, are reliable. The product and related information are designed for users with the necessary knowledge and qualifications required by the industry. It is the responsibility of the user to verify the suitability for the specific use and application in each case; the buyer is considered to have made the necessary verifications at his own risk; Ace Coatings has no control over the quality or condition of the substrate, or any factor affecting the use and application of the product. Accordingly, Ace Coatings accepts no liability for any loss, injury or damage resulting from the use of the product or this information (unless otherwise agreed in writing). Variations in application environment, changes in usage procedures or extrapolation of data, the results could be unsatisfactory. This document will prevail over any previous version; the purchaser should ensure that this information remains current before using the product and the English version of this document shall prevail over any translation.

NOTE: The information contained in this technical sheet may be modified based on possible formulation variations and in any case corresponds to the current state of our knowledge and is given in good faith, but without guarantees about the final results since these depend on the conditions of use, which are beyond our control. These data do not exempt from carrying out the appropriate tests of suitability of the product for a certain job. This technical sheet replaces any other with a previous date related to the same product.