



## ACF EPOXY 3D Crystal ®

ACF EPOXY 3D Crystal® is based on epoxy resin, double components, Solvent free and transparent finish, with high mechanical and chemical characteristics, for 3D flooring.

### Technical Information

Color	:	Transparent
Physical state	:	Liquid
Adhesion to dry concrete	:	> 2 MPa
Application time	:	20 minutes
Hardness shore D (ASTM D2040)	:	84

Compressive strength after 7 days (ASTM C579)	:	42.7 MPa
Compressive strength after 28 days (ASTM C579)	:	54.7 MPa
Flexural strength after 7 days (ASTM C580)	:	17.0 MPa
Flexural strength after 28 days (ASTM C580)	:	36.2 MPa

### Characteristics

Solvent free, considerable dry extract  
Ultra transparent  
Non-yellowing  
Excellent adhesion and excellent coverage  
Permeable to steam,  
High chemical resistance,

### Chemical Resistance

#### INORGANIC ACIDS

Sulfuric 10% ++ Loss of color  
Chlorhydric 37% ++ Loss of color  
Nitric 20% ++ Loss of color  
Phosphoric 20% +++

#### ALKALINE

Sodium hydroxyde 50% +++  
potassium hydroxyde 50% +++  
Ammoniac 25% +++

#### SOLVENTS

Citric 10%	+++ Loss of color	White spirit	+++
Lactic 10%	++ Loss of color	Xylène	+++
Acetic 10%	++	Petrol	+++
Tartaric 10%	+++	Diesel	+++

\*Resistance measurements were made under permanent immersion for 21 days at 23 ° C.

+++ Perfectly resistant

++ Resistant with a small loss of properties

### Application methodology.

- Ensure that the surface coated is clean, free from dust, free from moisture oil etc.
- Any designs or 3D painting or images must be neat and well placed. If it is stickers then ensure that the stickers are well adhered to the substrate before application of ACF Epoxy 3D.

## **Mixing and Application**

- Pour the Comp A into clean container.
- To it add Comp B whilst mixing.
- Mixing may be done using drill mixer at very low speed.
- Ensure that homogeneous mix is achieved without much air entrapment
- After ensuring proper mixing, pour the mixed product over the desired substrate at required thickness.
- Application may be done by roller, notched trowel or any other suitable method.

## **Packaging**

Metal buckets 14.7 kg (9.2+5.5).

## **Storage and lifetime**

- When stored in a cool, dry place and at temperatures above 5 ° C, The shelf life is 12 months from manufacture.
- Products should not be stored in damp containers.
- When not in use, open packages should be tightly closed to avoid contact with air.

## **Health and safety**

- This product is irritating to eyes and skin due to the contents. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water and soap.
- Wear appropriate protective clothing, gloves and face shield.
- Keep the product out of the reach of children

Note: The initial controls of our product are made during the production phase. We guarantee the quality of our products. All recommendations and instructions on the data sheet are generally based on our experience. Please contact us for applications on special surfaces are not mentioned in the datasheet. Our company reserves the right to update the information on the data sheet in case of technical needs without notice.