Kimifloor VETRO

ST5-0221

Two-component, fluid, transparent epoxy resin for thick vitrification and incorporation of objects in the case of decorative resin flooring

DESCRIPTION

Kimifloor VETRO is a two component low viscosity transparent fluid epoxy resin, characterized by excellent chemical resistance, good water resistance and high yellowing resistance.
The product is supplied in two pre-dosed containers (A: resin + B: hardener), of which part "A" is oversized to allow easy mixing with them.

ADVANTAGES

- Excellent transparency; excellent chemical resistance, good water resistance and high yellowing resistance.

USES

Thanks to its excellent transparency, **Kimifloor VETRO** can be used as a protective finishing layer for interior decorative resin floors.
It must always be protected with a final coat of **Kimifloor ECO-FINITURA PLUS**.

APPLICATION

	Roll or beush application		Mechanical device application
	Max thickness per coat: 2 mm		

The surfaces to be treated must be perfectly dry (new concrete must be cured for at least 4 weeks), free of inconsistent parts and free of dust, grease, paints and release agents in general.
Pour component "B" (hardener) into component "A" (resin) and mix with a low speed drill (200-300 per minute) until a you get a perfect mixture, taking care not to incorporate air during mixing.
In case of fractional mixing, respect the ratios by weight (and not by volume) indicated on the packaging.
Before applying the final two-component polyurethane protective coat which must be applied over **Kimifloor VETRO** (after sanding and vacuuming) wait until the transparent epoxy resin has developed adequate mechanical properties.
Walkability time depends on the application thickness (the material can be given with a thin film or up to a thickness of 2 mm) and on the thermo-hygrometric conditions (it is advisable to wait at least 7 days).

CONSUMPTION

1,04 Kg/m²/mm.

PACKAGING

- Cop. 6 Kg (A+B)
- Cop. 18 Kg (A+B)

STORAGE

The product is sensitive to humidity, keep in tightly closed containers, in a sheltered and dry place at a temperature not lower than + 10°C. In these conditions, its stability is 12 months.

Characteristics	Typical value
Color	Transparent
Specific weight	1,04 Kg/l
Number of components	2 (A+B)
Frost time	40 mins
Min. temperature of application	10 °C
Resin/hardener ratio	100/50 in weight
Setting time of a thin film ASTM D 1640	5,5 h
Mechanical compressive strength (Head with prisms 4x4x17 cm)	@ 2 days > 22 MPa @ 3 days > 27 MPa @ 7 days > 45 MPa

WARNING

Product intended for professional use.
Do not apply on wet or dusty surfaces.
In case of low storage temperatures or sudden changes in temperature, part "A" of the material could be subject to crystallization (assuming a white-opalescent appearance with a lumpy consistency), which can be solved by heating the package at about 50°C for 1-1 , 5 hours until all the crystalline germs have completely dissolved.

The equipment used for the preparation and application must be cleaned with **Solvente EPOX** before curing starts.
The product must be handled with care: use gloves, protective creams and goggles to avoid contact with skin and eyes. In the case of contact with the eyes, rinse with abundant water and contact a doctor.
For further information and advice on safe handling, storage and disposal of chemical products, the user must refer to the most recent Safety Data Sheet, containing physical, ecological, toxicological and other data related to safety. All technical data shown in this Technical Data Sheet are based on laboratory tests. Actual measurement data may vary due to circumstances beyond our control. The information and requirements indicated in this Technical Data Sheet are based on our current knowledge and experience and are to be considered, in any case, purely indicative. They cannot guarantee the final result of the applied product and they have to be confirmed by exhaustive practical applications; therefore the user must test the suitability of the product for the intended application and its purpose. Users must always refer to the latest version of the local technical data sheet related to the product.