

Mixture of polymers in aqueous emulsion for resin floorings and coatings of the Kimifloor collections

Description

Kimifloor ECO-BASE is a mixture of polymers in aqueous dispersion, ready to use, without lime, gypsum or cements, as well as without dangerous substances both for men and the environment.

Available in 2 versions:

- *Light*, in white colour, appropriate to obtain (through pigmentation on site or in a paint shop) light colour bases.
- *Dark*, in off-white colour, used to obtain dark colours.

The product can be supplied in different colours available from the Kimifloor RAINBOW colour chart.

Uses

Kimifloor ECO-BASE is used in flats, shops, showrooms to create resin floorings and coatings with material, three-dimensional, sponge, cloud or spatula effects.

The product is customizable:

- in terms of thixotropy and texture → adding appropriate Kimifill aggregates;
- in chromatic terms → pigmenting it with appropriate pastes in paint shops or in the building site (this work needs particular care to guarantee an excellent dispersion of colouring pastes in the mixture)

It is used as a base to create resin floorings of the Kimifloor collections "COLORE", "NUVOLA", "SPATOLA", "MATERIA", "ARTE".

Application

On the properly prepared support, apply the primer Kimicover FIX MV, fasten the Kimifloor NET with a coat of Kimifloor ECO-BASE without charge and, after the hardening, apply a first coat of Kimifloor ECO-BASE mixed with Kimifill inert materials.

Apply the material by white plastic spatula in order to avoid dark halos on the applied product (otherwise, use metal spatulas in case this particular effect is required).

It is recommended to avoid thicknesses higher than 1 mm per single coat, otherwise, during the curing process, it may cause micro-cracks due to shrinkage with excessively long drying times.

Subsequent coats shall be applied after sanding¹, vacuum cleaning and primerization with Kimitech K60 (waiting 3-4 days between one coat and the other, as a precaution).

The finishing of the system is achieved by applying the one-component polyurethane resin Kimifloor ECO-FINITURA (possibly pigmented for special "velatures" and chromatic effects) or two-component epoxy Kimifloor VETRO (in case the three-dimensional texture effects shall be enhanced or particular decorative elements shall be inserted into the flooring).

All the interventions must be protected with a final coat of the two-component water based polyurethane finishing Kimifloor FINITURA ECO-PLUS.

Storage

Protect from frost.

Keep in hermetically closed packages, in a dry and sheltered place

¹ The inert materials added in the last coat of Kimifloor ECO-BASE of the most three-dimensional cycles may become more visible together with their colour, in case the subsequent sandpaper is particularly energetic. Depending on the desired effect, sandpaper in order to highlight them in a more or less marked way. Deep sandpaper, which are not perfectly homogeneous, could generate messy chromatic effects. In this case it is possible to resort to a coloured upper varnishing to equalize the colour of the surface.

at a minimum temperature of 10°C. In these conditions it maintains its stability for 8 months.

Once the package is opened, use the material within 7 days. Keep the inside edges of the box clean during all the intermediate steps of the application cycle.

Packages

25Kg packages

Characteristics	Value
Aspect	"Light" version → White "Dark" version → Off-white Kimia colour palette Kimifloor RAINBOW
pH	9
Workability time	3 h
Hardening	If applied with an average thickness of 1mm with a temperature of 20°C and with a good ventilation, it dries in 24 hours. The hardening time varies a lot depending on thickness, absorption of the support, temperature, environment ventilation. In our cycles we suggest to wait for at least 3-4 days between one coat and the other, as a precaution.
Water solubility	Soluble
Lipophilicity	Not soluble
Flammability	Non flammable
Minimum application temperature	5 °C (recommended 20°C)

Consumption

1,6 Kg/m²/mm

Warning

Product intended for professional use.

It is recommended to always create a sample of the complete work to be done, thus the customer can fully appreciate the peculiarities and effects (in terms of both texture and colour) of the solution which will be applied.

Take all the appropriate precautions regarding the preparation of the substrate, which must be free of defects and irregularities, already equipped with vapour barrier, mechanically adjusted in compliance to the intended uses, free of release agents, old varnishes, oils, or inconsistent parts in separation phase.

During application make sure of the correct and complete curing of the product: despite having a fast drying, which allow the walkability after a few days, the acrylic resins for floorings get optimal strength with curing, a process that requires more or less time, dictated by the temperature and the rate of environmental moisture.

In the creation of the resin coating the joints of the structure shall be respected (they must be treated and sealed with suitable products) and make sure the original support is not object of dynamic cracks: otherwise, where the non respected joints and cracks occurred, it is unavoidable that fractures propagate in the decorative coating.

Each intervention should be considered as an artwork for all purposes due to manual performing and irregular nature, unique and unrepeatable style that characterizes each job.

The resin coatings offer resistance to wear and impact comparable with those of other materials such as wood, stone, etc. As the parquet, even the resin coatings keep trace of the scratches due to messy foot traffic (pebbles under the shoes, etc...).

These scratches are more or less visible depending on the chosen colour (the darker the coating, the more evident the scratches), on

the type of finishing (in case of a uniform monochrome glossy treatment the scratches tend to be particularly detectable) and on how frequent and aggressive the cleaning and maintenance treatments are (the dirt tends to creep into the scratches making them more visible).

Resin floorings have a duration comparable to floors made with traditional materials when paying attention on putting appropriate filter zones (rugs, very useful to reduce the risk of scratches) before spaces with resin floorings, on making maintenance treatments with non-aggressive detergents and on applying protective sacrificial layers (glossy or satin waxes) on it.

In order for a resin flooring to maintain its characteristics the further, an accurate maintenance programme shall be foreseen from the beginning (to be made manually or with single disc machines with appropriate cleaning products according to the level of dirt, the presence of waxes, etc...).

The technical specifications and application methods recommended herein are based on our current knowledge and experience and do not represent any form of guarantee of the final results obtainable with the product.

It is the customer's responsibility to check that this data sheet is still effective and it has not been replaced by a more updated version, and that the product is suitable for the intended use (use the QR-code to download the latest version of this document).

