

RAPIDCURE FLOOR

RapidCure Floor is a fast curing 2-component, solventfree epoxy floor coating specifically designed to cure in challenging low and humid temperatures.

RapidCure Floor is commonly applied in floor areas that require quick turnaround of operations, as well as in areas with low temperatures and humid environments.

RapidCure Floor has been shown to bond with slightly moist surfaces and can withstand osmotic pressure

TECHNICAL DATA

Mixing Proportion (A:B)	4.6: 1 per weight
Pot Life (after mixing)	Approx 20 min at 20 °C Approx 30 min at 10 °C
Curing Time	At 20 °C room temperature – approx. 4 hours walk on time At 10 °C room temperature – approx. 10 hours walk on time At 0 °C room temperature – approx. 24 hours walk on time
Density of mixture	1,40 kg/lit
Minimum Hardening Temperature	0 °C
Adhesive strength	> 3,4 N/mm ² (EN 13892-8)
Final Strength	After 7 days at 20 °C
Impact Resistance	>14,7 Nm (EN ISO 6272-1)
Compressive Strength	44,7 N/mm ² (EN 13892-2)

Disclaimer: All guidelines described here are subject to the responsibility of the persons who undertake the application of the materials. KTISIS is unable to provide any warranty for the products, since the we cannot be aware of the conditions (temperature, humidity, substrate quality etc) as well as the application methods that prevail for each individual project.

Flexural Strength	25,0 N/mm ² (EN 13892-2)
VOC %	Contains no VOCs
Colours Available	Traffic Grey (RAL 7040) Stone Grey (RAL 7032) Other colours available upon order
Packaging	available in fixed weight sets (A+B) of 15kg and 6kg.

TECHNICAL INFORMATION

RAPIDCURE FLOOR can be applied on surfaces such as concrete industrial floors, strong cement mortar surfaces, grinded tiles, terrazzo/mosaic, old epoxy surfaces etc. RAPIDCURE FLOOR should not be applied on wood or any elastic surface.

SURFACE PREPARATION

Thorough surface preparation is critical in order to ensure maximum adhesion and optimal results. The substrate should be grinded by mechanical means. Acceptable methods are diamond- or stone grinding machines, sand-blasting, shot blasting etc. Before applying primer The surface must be completely dry, free of loose material, dust, oils, greases etc. If there are oils or other chemical materials they must be removed either by additional grinding or by using special cleaning detergent.

PRIMER

The surface should be primed with a compatible epoxy based primer before applying the product. Acceptable primer are either KTISEPOX HYDRO PR or RAPIDCURE PRIMER. When applying on green concrete use RAPIDCURE PRIMER to ensure good bonding with the substrate. If the surface seems to absorb all the primer immediately it is recommended that the priming process. The additional layer will work as an intermediate layer helping seal all the pores of the surface as well as reveal all the cracks and holes that remain.

Filling Cracks and joints

Cracks and holes should be repaired with KTISODUR RAPICURE epoxy putty and let at least 2 hours to dry. Before applying RAPIDCURE FLOOR the filled area should be lightly sanded and cleaned.

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Preparing RAPIDCURE FLOOR

The contents of buckets A and B need to be mixed together preferably in a third barrel or bucket. It is important to empty all the content of both buckets and ensure that all thick material stuck to the bottom of the bucket is also mixed. The mixing of the two materials needs to be consistent (with a mixer) and should last for at least 3-4 minutes at 300rpm. Poor mixing can lead to improper curing of the material.

Applying RAPIDCURE FLOOR

Since the product cures very quickly when in the pail, it is recommended to spread the product on the floor within a few minutes after mixing. The mixture (RAPIDCURE FLOOR A + B) can be applied either as a roller applied or self leveling coating. The content of the mixture should be applied on the floor and spread out with a squeegee or a notched trowel.

For Roller Applied System

Use a squeegee to spread the content of the pail on the floor. Using spiked shoes back roll the floor until a uniform surface is achieved. Expected consumption is about 250-300 grams per square meter. Two or more coats may be necessary to achieve a uniform colour.

For Self Leveling System

Use a notched trowel to spread the product and achieve the required thickness. Quartz Sand may be added up to a ratio of 1:1 to the mixture. should be poured on the floor and spread with a trowel or spatula until the entire surface is covered. Expect to consume at least 1.4 kg per mm per m² for a high build self leveling system.

The material should then be back rolled with a spike roller in order to eliminate bubbles and trapped air. The personnel in charge of rolling the material should wear spike shoes in order to be able to access all the wet areas

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