



المعلومات الفنية

TECHNICAL DATA SHEET

RAKAM EPOXY PRIMER

PRODUCT CODE: RAKAM - 802

DESCRIPTION

A two-pack chemical resistant epoxy primer based on poly amide cured epoxy resin for concrete floors. The fully cured film has good adhesion to concrete floors and good resistance to water. It has good flow and resistant to splash and spillage of mild chemicals and solvents. It has good abrasion and impact resistance and easy to clean.

TECHNICAL DATA

Color, dry film	Clear
Finish, dry Time	Smooth
Volume solids	100%
Specific gravity	1.09 ± 0.05
Theoretical spreading	6.6 M2/L
Recommended DFT range	150 microns/Coat
Recommended WFT range	150 microns/Coat 100
Flash point	100°C
Flexibility	Good
Chemical resistance	Good
Solvent resistance	Very good
Water resistance	Good
Abrasion resistance	Very good

DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)

■ Touch Dry	3 – 4 hours
■ *Dry to re-coat/overcoat h	24 hours
■ Fully Cured	7 days
*With same generic type paint	

APPLICATION DATA

Surface preparation: Surface preparation: All concrete surface must be sound, clean, free from oils, grease, dust, and other contaminants. The laitance deposits should be removed using captive blasting, mechanical scrubbing, or grinding. The surface moisture content should be less than 5% and concrete floor should be older than 28 days.

Mixing : Mix the contents of part A followed by addition of part B and stir until the mixture is homogeneous. Mix the materials in the required ratio at the time of application. Also allow an induction time of 10 minutes before application.

Application method : Spray, Roller or Brush
Cleaning/thinning : Rakam Epoxy Thinner (thinner should only be added after mixing the component)

Thinner volume : 5-10% depending on method of application

Conv. Spray requirements :Atomizing pressure: 40 psi

Airless Spray requirements :Pressure: 3000psi

Nozzle size : 0.025" – 0.030"

Mixing ratio(volume) : Base: Hardener 4:1 (Mix thoroughly, keep for 10 - 15 minutes before use)

Pot life@30°c (100 ml) : 15 to 20 minuts reduced at higher temperature)

Note: Material may gel at elevated temperature



RECOMMENDED USES

General purpose flooring topcoat for cementitious surfaces. It can be applied by spray, roller and brush. It can be used with recommended size aggregates also for light duty flooring.

HANDLING AND STORAGE

Store the paint in proper storage conditions as per the local regulations. Keep the paint container in sealed condition under shed, away from direct sunlight and extreme temperatures. Do not stock paint materials near to any ignition sources. Do not put back the half or unused material back in original container, containing the supplied paint, to avoid contamination. Handle with care. Stir well before use.

ADVANTAGES

Good adhesion, good resistant to water and mild chemicals, good flow abrasion and impact resistance, easy to clean.

HEALTH & SAFETY

Avoid skin & eye contact by wearing overalls, gloves, goggles, and air mask etc. Spillage on skin should immediately be removed by thorough washing with water & soap or suitable cleaner. Eye should be flushed with fresh water. Avoid inhalation of vapors and paint mist by wearing suitable air mask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well-ventilated area.

This as industrial product contains flammable materials & should be kept away from the sparks and open flames, smoking in the area should not be permitted. Local safety regulations should be followed.

SYSTEM

Recommended system:

To be applied on prepared surface No. of coats x DFT (micron)

Rakam epoxy primer for cement clear : 1 x 40

Rakam epoxy flooring topcoat : 2 x 75

For ant skidding, spread recommended size aggregates, when first coat is wet. After drying apply second coat. For exposed area of applications, overcoat above system with polyurethane coatings.

ADDITIONAL DATA

Shelf life@30 C

24 months, in original sealed container, with proper storage conditions

