



# REECOTE EC019 PLUS CLEAR

LV Water Dispersed Epoxy Coating



## TYPICAL AREAS OF USE

- Light to Heavy Industrial Areas
- Storage Areas
- Food Processing Areas
- Aircraft Hangers
- Water Treatment Plants
- Garages
- Laundry Rooms
- Supermarket Storage Areas

## DESCRIPTION

Reecote EC019 Plus Clear is a third generation two part water based Epoxy coating. May be applied to green concrete and damp surfaces. Its microporous properties permit the passage of entrapped water vapour whilst still providing a barrier against liquids.

## ADVANTAGES

- Cost Effective, Easy to Clean
- Easy to Apply, Low Odour
- Chemically Resistant, Abrasion Resistant
- Solvent Free, Zero VOC

## SUITABLE SUBSTRATES INCLUDE

Concrete, Performance Screeds, Stone, Polymer Screeds, Plaster, Terrazzo, Bricks and Timber including MDF.

## TECHNICAL DATA

Solid Contents 58% with 0.5ltr water added	Shelf Life in sealed container	12 Months
Gloss - 60° Angle = 90%	Storage Temperature	Min 10°C Max 35°C
Average film thickness recommended per coat -	Working time at 20°C	2 Hours
two coats recommended #	Waiting Time between coats:	
Adhesion to dry shot blasted concrete	Min	12 Hrs
Concrete failure at 3.5N/mm <sup>2</sup>	Max	35 Hrs
Slant/Shear Bond Strength 9.8N/mm <sup>2</sup>	Final Drying times:	
Abrasion Resistance/WT loss (mg/1000 cycles) 0.075g	Foot Traffic	12-24 Hrs
Density (SG) 1.13kg/litre approx.	Serviceable	3 Days - 5 Days
	Fully Cured	7 Days - 12 Days

# A third coat may be required with some colours to achieve full opacity - marked.

NOTE: All the above values are approximate Store away from Food, Drinks, Animals and Children.



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### SURFACE PREPARATION

To be assured of maximum adhesion and properties from Reepol resin products the correct surface preparation is essential. Please refer to technical data sheet 'Surface Preparation' reference TD112.

New concrete should be at least 28 days old or the moisture content less than 10%.

The substrate should be, free from laitance, oil, grease or other agents which may impair adhesion.

Cleaning techniques may include, acid etching, grinding, light mechanical scabbing, blasting or degreasing, depending on floor contamination.

Existing concrete floors should be sound and free from loose material. Damaged areas should be repaired with a Reepare Mortar prior to the coating application.

### MIXING INSTRUCTIONS

Mixing is carried out in the resin container component A, by using a low speed electric drill with a paint stirrer attachment (300-400 RPM).

Stir or shake well the contents of the hardener component B and add to the resin component A and mix for approximately 2 minutes, then add a minimum 0.5 Litres of clean water or a maximum of 0.7 of a Litre depending on substrate for the first application. Continue mixing until a uniform mix has been achieved. Empty on to a clean container scraping well the container sides and base and mix for a short period. This will eliminate soft spots on the applied coating.

**IMPORTANT** never attempt to add the water at the same time as the hardener to the resin container. This will make it very difficult to mix. We recommend for the top application to use only the minimum required water i.e. 0.5 of a litre.

It is important to ensure water addition is regulated throughout the project. Water variation may also cause colour inconsistencies.

### APPLICATION CONDITIONS

Apply in a well ventilated area using a brush or roller (not foam). Maintain application and subsequent cure temperatures between 6 °C and 25 °C (Minimum Slab Temperatures 5 °C).

### REECOTE EC019 PLUS CLEAR

Is supplied in pre-weighed units and only requires the addition of the recommended water. On dense substrates REECOTE EC019 PLUS may need to be thinned down with the maximum recommended water 0.7 of a Litre for the first application.

### STORAGE, MIXING & APPLICATION

The storage, mixing and application conditions can affect the quality of the finished product. Please refer to our Information Data Sheet reference TD300.

### CLEANING

All brushes, rollers, tools etc should be cleaned with warm, soapy water immediately after use. For hands - warm water and soap. Reepol Solvent should not be used.

### PACKAGING

Pack Size	3.5kg
Component A	1.350kg
Component B	2.150kg
4.0Ltrs approximately after adding 0.5Ltrs of water.	
Coverage	25-35m <sup>2</sup> /3.5kg Unit

Material usage is dependant upon temperature, surface profile and porosity state. Coverage rate is only for guidance.

### OVERCOATING TIMES

Minimum 12 hours - maximum 35 hours. If the 35 hour is exceeded the surface must be lightly abraded and vacuumed before further coats are applied.

### HEALTH & SAFETY

It is recommended that barrier creams, gloves and protective clothing are used when using Reecote EC019 Plus Clear. If eyes are affected wash with copious amounts of water and seek medical advice. For hands - wash with soap and water. For full details refer to C.H.I.P data sheet.



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