

700D DENSICURE DENSIFIER

Densicure Potassium Densifier



Description

Densicure is a Potassium Densifier developed by All Purpose Coatings. It is designed to penetrate deep into concrete and react with the free calcium and lime, providing a harder, densified surface that will be more resistant to wear chemicals and dusting. Densicure reacts to create a calcium silicate hydrate that fills the voids in the concrete. This increases the strength and durability of the concrete and makes the surface less permeable, which can help prevent staining and the build-up of efflorescence. Densicure should be applied to fresh concrete cured for a minimum of seven days and should not be applied to any surface which has been painted or otherwise treated in a way that may impede penetration and affect the desired properties. Cleaning will be necessary in this situation to allow the Densicure to penetrate and react with the concrete.

Recommended Uses

- As a concrete sealer / protectant
- To densify concrete for diamond polishing
- To enhanced gloss
- Harden and increase the lifespan of concrete

Features and Benefits

- Reduces porosity and permeability of concrete
- Minimise the occurrence of efflorescence
- Reduces dust, small moss, mould, and algae growth
- UV Stable, while retaining the natural look
- Silane free, water based with no odour
- Will not flake, peel or scratch-off
- Suitable for food areas
- Non-flammable, chemical and solvent resistant

Product Information

Coverage	4-6m ² /L depending on the system, application, and porosity of the surface.
Dry Film Thickness	75 - 150 µm depending on the system, and application.
Shelf Life	12 months in the original sealed container. Store in a cool, dry area and out of direct sunlight.
Clean Up	Clean tools with 150 Epoxy Thinners while still wet and discard rollers and brushes.
Cure Times	Pot Life: 45 Minutes Work Time: 15 Minutes Thin Tack Free: 30 Minutes Thin Shore Hard: 24 Hours Max Recoat Time: 18 Months
Return to Service	Light Foot Traffic: 4 Hours Vehicle Traffic: 24 Hours Full Chemical Cure: 3 Days
Maintenance	Refer to APC Clean and Care guide.
Testing Information	Cure times completed at 25°C in a 100g container or at 200µm.

Environmental Conditions

Temperature and the surrounding atmospheric conditions will play a part in the curing process. Industry standards recommend the accurate recording of times and dates, batch numbers, consumption rates, and environmental conditions including the substrate and air temperatures, humidity levels, and dew point readings during both the application and curing process. Full material warranties cannot be provided unless all the relevant data has been recorded accurately.



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Surface Preparation

Concrete is to be clean and free of grease, oil, paint or any curing agent before application. Densicure should be applied to fresh concrete cured for a minimum of seven days and should not be applied to any surface which has been painted, coated or otherwise treated in a way which may impede penetration.

Product Application

- Clean surface if required, allowing adequate time for it to dry completely. The treated surface should be dry, free of debris and absorbent.
- Liberally apply Densicure by Spray or Flood Coat with a bristled broom and/or roller. Ensure the entire surface receives a “wet look” on application. Absorption of the product should take approximately one minute.
- Leave the surface to soak for 20 minutes before reapplying a second coat of Densicure.

Physical Properties

Alkali Resistant
 Acid Resistant
 Chemical Resistant
 Solvent Resistant
 Silane Free
 UV Resistant

CAUTION

- Do not apply below 0 Centigrade and above 40 centigrade.
- The surface cannot have existing non-permeable coatings.
- Concrete must be dry.
- Do not allow puddling/pooling on the surface during application. A white residue could form. While this will not affect the performance and will dissipate over time with cleaning, it is not a desirable outcome and should be avoided where possible.
- Spills, including water should be cleaned up as soon as possible.

In an emergency, contact the Poisons Information Centre on 13 11 26 or a doctor for advice. IF THE SITUATION IS LIFE THREATENING, DIAL 000 IMMEDIATELY.

DISCLAIMER: Please ensure you read the SDS & TDS thoroughly & carefully before the use or application of any All Purpose Coatings product. These documents contain information in context to how you will apply the product, including if it is being used in conjunction with any other products or systems, and to what surface the product will be applied. All-Purpose Coatings Pty Ltd does not accept any liability either directly or indirectly for any losses that arise from the use or application of the product in accordance with any advice, specification & recommendation given by the companies' documentation or representatives at any point in time. Application, performance & safety data may change from time to time. It is the user and/or applicators' responsibility to ensure they have the latest copy of any documentation pertaining to their project. Industry standards recommend the accurate recording of times and dates, batch numbers, consumption rates and environmental conditions including substrate and air temperatures, humidity levels and dew point readings during both the application and curing processes. Full material warranties cannot be provided unless all the relevant data has been recorded accurately.

NOTE: Refer to individual Installation Instructions & SDS for mixing instructions, recommended PPE during preparation & application of products.

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TECHNICAL DATA SHEET APC V0224