

EcoTitan

Ceramic fortified finishes using accelerated nanotechnology

CERAMIC FORTIFICATION

Nanotechnology is the science of creating materials at an ultra-small nanoscale (down to 1/100 000 the width of a single human hair) to create new and unique products that work better and last longer. At nanoscale, we have added ceramic particles to our finishes. The nanoparticles' small size allows these ceramic to get into places that conventional particles could not. This translates into deeper **penetration, better adhesion** and resulting incomparable **strength, durability** and **scratch resistance**.

Other unique benefits of Arboritec's finishes

Lower VOC: Adding ceramic particles to our finishes also means that the use of petrochemical raw materials can be reduced by up to 30%, making them more positive from a working and environmental aspect.

Elegant look: We have ensured the elegant and superior final look of traditional finishes, whilst maintaining the minimum environmental impact of water borne finishes.

Fast drying and curing: Our two component finishes are all "touch dry" after 2 hours and fully cured after 3 days. Our one component finishes are all "touch dry" after 2 hours and fully cured after 7 days.

PRODUCT FEATURES

- 1-Component ceramic fortified water borne 100% PU finish
- Designed to minimize the VOC for better indoor air quality
- Commercial finish with 'flower' EU Ecolabel
- Recommended for use in commercial areas
- Exceptional flow and levelling
- DIBT: Z-157.10-131
- Very fast dry and curing time
- No wasted finish
- NMP free and very low VOC for wood and parquet floors
- Matt (20) and Satin (45)

PREPARATION

Sand the floor to bare wood and make sure it is dry and free from contaminants. Final sanding with sanding paper 120 grit belt and 100 grit screen. The temperature of the room, floor and finish must all be kept the same within the range of 15° C to 25° C. Protect the floor from direct sunlight and turn off all under floor heating during and after the application. Relative humidity of the room should be between 40% and 60%. At high temperatures and low relative humidity add 2% Arboritec "Extender". Do not thin the finish. Always use EcoTitan with an Arboritec "First Coat", following label instructions. Shake the container well and leave to stand for 2 minutes, before applying.

APPLICATION

EcoTitan is suitable for application with a 10mm roller, lightweight t-bar applicator, or brush. Recommended method of application is 2-3 layers of EcoTitan over 1 layer of Arboritec "First Coat". We recommend application of between 350g/m² in three coats to 450g/m² in 4 coats (for floors with heavy traffic). Buff/screen between coats, if necessary. Clean tools in water at once after application. The floor can be lightly used after 24 hours. Test the products on a smaller area to ensure colour and adhesion on new wood type.

HEALTH AND ENVIRONMENT

Arboritec EcoTitan is not classified under C.H.I.P. regulations. Usual precautions for handling chemical products should be considered. Ensure adequate ventilation. Use protective goggles and gloves. In case of skin contact, wash thoroughly with soap and water. For eyes, flush with plenty of water. For further information please refer to the material safety data sheet.



TECHNICAL DATA

Content: 100% Polyurethane dispersion

Solids by volume: 32%

Special ingredient: Ceramic Fortified

Additional Feature: NMP free

Recommended use: Commercial

DIBT: Z-157.10-131

VOC: 25g / litre

Gloss level: Matt – 20%

Satin – 45%

Coverage: 8-10 m² / litre

Drying time: 30-60 minutes on bare wood and 2-4 hours subsequent coats. Let the floor dry for at least 24 hours. Do not walk on it during this period. Wait for at least 7 days before moving in heavy furniture and rugs.

Total curing time: 7 days

pH: approx. 8

Weight: 1.1 kg / litre

Colour: Milky white, clear when dry

Toxicity: Nontoxic

Packaging: 3 x 5 litre cans

Storage: Store between temperatures of 5-25°C. Protect from frost.

Shelf life: Best before 1 year from date of manufacture in unopened original packaging under recommended storage condition.

Chemical resistance: Resistant to grease, water and regular household cleaners and detergents

Clean up: Clean tools in water at once after application.

Cleaning and maintenance: To keep the floor looking its best, clean and maintain floor using Arboritec "Cleaner Spray" and "Refresher", following application instructions. Do not clean the floor before it is fully cured.

Disposal: Never pour surplus floor finish down the drains, allow it to dry and dispose of it in accordance with local regulations.

A safety data sheet is available for professional users on request. Keep out of the reach of children.

For technical advice: Contact your distributor or Arboritec Technical Service at +46 303 56330

The information and recommendations in this data sheet are guidelines for application and are not to be construed as a guarantee. In all cases it is the responsibility of the user to determine if the product is suitable for the purpose, and complete a successful application. Arboritec can only guarantee the delivered product. If the user is in doubt we would recommend a preliminary onsite test. Please ensure you have read and understood all information on the labels and in the safety data sheets before using this product.

Rev 02/13. This data sheet replaces all previous versions.