

## First Coat

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 and primers

**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 dry and cure times:** 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.

**Fast dry time:** Our ceramic fortified water borne primers dry within 20-40 minutes.

**Very easy to sand:** By adding ceramic particles, our water borne primers dry hard and become very easy to sand.

**Minimise side bonding:** Because our ceramic fortified water borne primers dry hard, they minimise side bonding.

### PRODUCT FEATURES

- Ceramic fortified water borne Acrylic dispersion primer
- Designed for its ease of application using roller, brush, or lightweight t-bar
- Superior dry time
- Dries hard, very easy to buff/screen after application
- Gives a very rich and smooth surface
- DIBT: Z-157.10-131
- Exceptional flow and levelling
- Minimises side bonding
- A light, non-offending odor
- NMP free and low VOC primer for wood and parquet floors

### 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 before, 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 primer. Shake the container well and leave to stand for 2 minutes, before applying.

### APPLICATION

First Coat is suitable for application with a 10mm roller. We recommend coverage of 8 m<sup>2</sup>/ litre. Drying time is 20-40 minutes. Buff/screen surface before over coating with any of Arboritec's water borne finishes, if necessary. Vacuum the floor well before applying the top coat. Clean tools in water at once after application.

### HEALTH AND ENVIRONMENT

First Coat 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:** Acrylate dispersion

**Solids by volume:** 38%

**Special ingredient:** Ceramic Fortified

**Additional Feature:** NMP free

**Recommended use:** As a primer before over coating with Arboritec water borne finishes.

**DIBT:** Z-157.10-131 (1-K), Z-157.10-132 (2-K)

**VOC:** 40g /liter

**Gloss level:** N/A

**Coverage:** 8-10 m<sup>2</sup> / litre.

**Drying time:** 20-40 minutes on bare wood

**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.

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

**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 13-04-25. This data sheet replaces all previous versions.