



# FlowTec

1-Component Ceramic Fortified Waterborne Wood Floor Finish

 **MADE IN SWEDEN**

## CERAMIC SILICA

Ceramic Silica is one of the most durable, abundant minerals in the Earth's crust. Our ceramic fortification process allow us to create better, stronger and more durable finishes. Arboritec finishes penetrate deeper into the floor and are chemically bonded to the surface, enhancing the adhesion, strength and scratch resistance.

### KNOOP MINERAL HARDNESS TEST VALUES

<b>DIAMOND</b>	<b>8000-8500</b>
Arboritec's advanced fortifying mineral	
<b>CERAMIC</b>	<b>4500-4600</b>
The primary fortifying mineral used on prefinished floors	
<b>ALUMINIUM OXIDE</b>	<b>1800-2200</b>



**PLEASE READ ALL INSTRUCTIONS AND SAFETY DATA SHEET BEFORE USING.**



# FlowTec

## PRODUCT DESCRIPTION

Arboritec™ FlowTec is a one-component water based polyurethane/acrylate co-polymer finish for wood and parquet floors. Arboritec FlowTec is suitable for residential and light commercial use. The finish has excellent durability and is highly resistant to mechanical wear and commonly used household cleaners and detergents. The finish is fortified with ceramics thanks to our unique Small Particles Technology. Adding ceramic particles results 30% less petro- chemical raw materials used hence makes FlowTec up to 30% more environmentally friendly than competitive brand lacquers.

## DIRECTIONS FOR USE

The surface has to be sanded to a professional standard, dry and free from contamination. Protect the floor from direct sunlight and keep off all underfloor heating from day before application till 24 hours after application. Final sanding of the floor should be done with sanding paper 120 grit belt or 100 grit screen. The temperature of the floor, FlowTec finish and air must be between 13°C (55°F) and 25°C (77°F). Relative humidity of the room should be between 40% and 60%. Higher humidity of room extends drying time of finish thus waiting time between layers. At high temperatures and low relative humidity add 2% Arboritec "Extender". Shake the container before use for 30-60 seconds. Allow it to rest for 2-3 minutes before applying. Do not dilute the finish. **NOTE!** Make sure solvent-based stains and sealers- if used to enhance colour of wood- are fully cured prior to over-coating with FlowTec.

## APPLICATION

Application of the finish should be carried out along the direction of parquet strips and wood. If possible, do not apply the finish cross the direction of daylight. Windows/doors must be closed to prevent air flow and ventilation should be shut down for the time of application. If possible prevent direct sunshine on the floor during coating. FlowTec is suitable for application with a lightweight t-bar applicator, roller or brush. Always test the product on a smaller area to ensure colour and adhesion. For best results on bare, unstained wood floor, always use Avenue finish with Arboritec primers: First Coat or Vibrant, following label instructions. Recommended method of application with a 10mm roller: 2-3 coats of Arboritec FlowTec on a primer (Arboritec First Coat). Buff/screen surface after first coat. When used on pre-finished parquet flooring (non-sanded), check the adhesion on a smaller area before finishing the entire floor. Buff/screen surface before 1-2 coats of Arboritec FlowTec finish. Be very careful when using the surface during the first four weeks. Apply sufficient amount of product in order to ensure good levelling of roller/ applicator marks. Sanding between layers is always possible. If you have any questions, do not hesitate to contact the floor supplier or Arboritec.

## TECHNICAL DATA

SHAKE VIGOROUSLY



<b>Special Ingredient</b>	Ceramic Silica
<b>Recommended Use</b>	Residential, indoor use only
<b>Gloss Levels</b>	FlowTec X matt (5); FlowTec satin (20); FlowTec semi-gloss (45)
<b>Additional Features</b>	Ceramic fortified, NMP free
<b>VOC</b>	<b>US:</b> Max. of 100 g/L <b>EU:</b> 47g /l (EU limit value for this product (cat. A/i): 140 g/l (2010) 2004/42/CE)
<b>Solids by Volume</b>	32%
<b>pH</b>	Approx. 8
<b>Approx. Weight/ Density</b>	9.18 lbs./gallon; 1.10 g/cm <sup>3</sup> ; 1.1 kg/l
<b>Odour</b>	Very light, non-offending
<b>Safety/Toxicity</b>	Non-hazardous / Not classified
<b>Coverage</b>	400 – 600 sq. ft. per gallon with T-bar / 8-11 m <sup>2</sup> / l or 95-131g/m2 with roller
<b>Flow and Leveling</b>	Exceptional
<b>Color</b>	Wet: milky white, clear when dry
<b>Drying Time</b>	20°C/ 68°F (RH 50%) 30-60min on bare wood; following coats: 2-4 hours. Let the finished floor settle for at least 24 hours. Do not walk on it during this period. Wait for 5- 7 days before moving in heavy furniture and rugs.
<b>Packaging</b>	<b>US:</b> Carton of 3 x 1 gallon / <b>EU:</b> Carton of 3 x 5 litre cans.
<b>Storage and transport</b>	1 year from date of manufacture in unopened original container at 41F (5°C) to 77F (25°C). Keep from freezing!
<b>Shelf life</b>	See expiration date on canister.
<b>Chemical Resistance</b>	Resistant to grease, water and ordinary household cleaners and detergents
<b>Cleaning of tools</b>	Thoroughly clean all application tools with water, right after using.
<b>Disposal</b>	Never pour surplus finish down the drains. Dispose it in accordance to local regulations.
<b>Maintenance</b>	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.

Safety data sheet is available for download at [www.arboritec.com](http://www.arboritec.com)

For technical advice: Contact your distributor or  
- **Arboritec AB** technical service at +46 303 56330  
- **Arboritec USA Inc.** technical service at +1 303 773 7143

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*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.  
This data sheet replaces all previous versions.*