

DELTA

Single-component, aliphatic, polyurethane finish

- ✓ High resistance
- ✓ Quick
- ✓ For a soft wooden finish (silk effect)
- ✓ Colour enhancing

Code **VE5055 DELTA SEMIGLOSS**

Code **VE5060 DELTA SATIN**

Code **VE5070 DELTA MATT**



Single-component, aliphatic, polyurethane finish for wood floors and other surfaces. Though a water-based varnish, DELTA intensifies the colour of the wood, with a solvent-based finish look, and will not block natural oxidation. DELTA provides high abrasion resistance, excellent expansion and it sands easily. Another characteristic of DELTA is not to show possible traces of silicium in Doussié.

DELTA can be applied by, roller, brush, spraying or curtain coater. It can be used alone or combined with one of Carver's water-based seals or a two-component, solvent-based seal. DELTA is free from N-Methyl-2-pyrrolidone and N-Ethylpyrrolidone.

PREPARING THE BASE

Sand the surface, removing any traces of pre-existing oil, wax, or varnish, and use this to fill and level with one of our binders for filler. After completing the final sanding (a grain size of #100-120 is recommended), remove the dust produced using a vacuum cleaner and anti-static cloth.

APPLICATION

- Shake the DELTA can to dissolve any sediment that has formed on the bottom. Wait 10-15 minutes before application to allow any foam formed during shaking to dissolve.
- Apply a generous coat of product (when using a roller, we recommend Carver MONACO or POSEIDONE), in one of the following cycles:
 - **To carry out a rapid water cycle:** apply DELTA with our FAST water-based primer (see the technical data sheet of this product).
 - **To carry out a high-performance water cycle:** apply 2 or 3 coats of DELTA, sanding between one coat and the next, according to the prescribed waiting times. In case of not wanting to sand between the first and second coats, it is possible to re-coat directly provided that the prescribed waiting times are respected.
 - **For a finishing cycle with a colour change to the wood similar to that of a solvent-based varnish:** apply DELTA with our RAFFAELLO water-based primer (see the technical data sheet of this product).
 - **To carry out a cycle with colour toning that is typical for a solvent-based finishing cycle:** apply 1 coat of our solvent-based sealer FONDO K2'07 (see the technical data sheet of this product). After 6 and before 48 hours, sand with #180-220-grain sand paper, taking care not to "break through" to the wood, then apply only 1 finishing coat of DELTA.
 - **Recommended cycles for exotic woods with low absorbency (wengé, ipé lapacho, olive, etc.):** to improve grip and avoid unwanted colour changes, apply a coat of ISOLANTE 65 or RAFFAELLO (see the technical data sheet to choose the required cycle), before applying DELTA.

Any different cycle or applying method should be previously verified.

Use the floor polisher with abrasive pads, grain size #180-220. In case of Trio, use a grain size of 80-100.

For spray application with curtain coater or other industrial application method, contact the Carver Technical Assistance Service.

MAINTENANCE

- Eliminate dust with ANTISTATIC CLOTHS and if necessary, use a vacuum sweeper with non-rotating, natural-fibre bristles, suitable for parquet.
- For cleaning the parquet, use one of the following options:
 - Wipe with a soft cloth, soaked in a diluted DETER PARQUET solution (see the technical data sheet) and squeezed. According to the foot traffic the floor is exposed to, follow the wash with a treatment using a diluted solution of our POLISH PARQUET, used as special maintenance treatment (see the technical data sheet).
 - Wipe with a soft cloth, soaked in a diluted POLISH PARQUET solution, used for frequent/routine maintenance (see the technical data sheet) and squeezed.
 - Wipe with a soft cloth, soaked in a slightly diluted PRONTO POLISH PARQUET solution (see the technical data sheet) and squeezed.

NOTICE

- Since the product strongly deepens the colour of the wood, in order to avoid a not uniform tonality, it is necessary to **take particular care over the sanding** and the first coat application. Sanding must be done as uniformly as possible, paying attention to the edges. The first coat must be abundant and uniform all over the surface (better to use a MONACO or POSEIDONE roller).
- If a slight colour change occurs in different areas, we recommend applying a second coat directly, within 24 hours and without sanding for an even colour tone
- We recommend acclimatising and applying wood and product at a temperature between +15°C and +35°C. Make sure that room relative humidity is from 35% to 75%.
- Shake the canister well and wait for 10-15 min. before use.
- **Adhere strictly to the recommended amounts.**
- Always adhere to the prescribed recoating and abrading schedule. When recoating without sanding on DELTA, do not exceed the 24 hr interval from the previous coat. When sanding and recoating, do not exceed a 5-day interval. Should also this latter interval be exceeded, in order to ensure good adhesion it is necessary to sand the surface. Wash the floor with a cloth soaked in IDROCLEANER and add 5% of our DILUENTE GRIP.
- **After abrading, always vacuum and tack thoroughly.**
- In the mixed cycle with FONDO K2'07, in case of application of a second coat of DELTA, sand very well, vacuum thoroughly, then pass a mop soaked with IDROCLEANER before proceeding.
- To improve coating or to delay drying, especially in very hot weather, add 5-10% water to the varnish or 2% of our DILUENTE GRIP. In any case, it is advisable **not to apply** the product during the warmest hours of the day and to strictly avoid direct exposure to the sun of the newly finished surface.
- ATTENTION! DELTA will not slow down the natural oxidation of the wood.
- Matt varnishes tend to become glossy when rubbed, if applied in a very thin layer.
- Before treating tropical woods or dark woods in general, it is advisable to perform a test beforehand to avoid undesired colour changes.
- When refinishing old floors, and in all cases in which the wood is very dry, add 10% water to the first coat.
- **The finished surface can be cautiously walked on after 24 hours. It achieves the optimal mechanical resistance after 10-12 days.**

TECHNICAL DATA

(based on room temperature of +23°C and 65% of relative air humidity)

Viscosity	32" F4 ± 5" F4
Specific weight	1.03 ± 0.01
pH	8.0 ± 0.5
Dry to touch	25 minutes
Recoating after/by	3/24 hrs.
Sanding after	4-6 hrs.
Cautious foot traffic after	24 hrs.
Complete drying	10-12 days
König hardness	67
Buchholz hardness	95
Abrasion resistance CS10 (Taber abraser, abrasive wheel CS10, 1000 g weight, 1000 rotations)	10 mg
Resistance to rubber heels	Excellent
Impact resistance	Excellent
Opacity degree DELTA Semigloss	60 Gloss
DELTA Satin	30 Gloss
DELTA Mat	15 Gloss
Average coverage per coat	10-12 m ² /l
Dilution	water
Max. recommended dilution	10%
Tools cleaning	IDROCLEANER

Protect from freezing!

Dispose of excess product and empty containers properly.

If the original unopened container is stored in a cool and dry place, the product will keep for at least 12 months.

N.B.: The information contained in this technical data sheet is correct to the best of our knowledge and experience. Since the conditions of use are beyond our control, no warranty is given or implied.