

CARVER

by Blanchon
GROUP

OMEG-ART

Two-component, waterborne, aliphatic,
polyurethane finish

- ✓ High resistance
- ✓ Will not change the colour of the wood
- ✓ Ideal for public and domestic environments
- ✓ In the NATURAL version it adds an excellent natural appearance (untreated wood effect)



Cod. VE6000 OMEG-ART SEMI-GLOSS

Cod. VE6005 OMEG-ART SATIN

Cod. VE6010 OMEG-ART MATT

Cod. VE6020 OMEG-ART NATURAL-EFFECT

Two-component, waterborne, aliphatic, polyurethane finish with exceptional abrasion resistance, for wood or cork floors and other surfaces exposed to strong wearing. OMEGA-ART provides excellent resistance against abrasion, shocks, strips, and excellent resistance against chemicals for domestic use. The product is also particularly suited for parquet floors in gymnasiums because it amply fulfils standard requirements with regard to slipperiness UNI EN 13036-4:2004 (certified available on request).

OMEG-ART is easy to mix and can be applied by, roller, brush, spray or curtain coater. In the Semilucida, Satinata and Opaca versions, it can be used with one of Carver's water-based primers or a two-component, solvent based primer.

OMEG-ART NATURAL EFFECT has been specifically designed to add **an exceptional natural appearance (untreated wood effect) to lighter-coloured wood** (oak, fir, chestnut, maple, etc.), while maintaining the typical protection of varnish treatments. OMEG-ART 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

ATTENTION! OMEG-ART NATURAL EFFECT is only for use on light-coloured wood and, as a finish, it can only be used if the primer coats were made with OMEG-ART NATURAL EFFECT.

- Shake OMEG-ART finish to dissolve any solids which may have settled to the bottom of the container and pour the varnish into the container used for the application before adding IDRO2 hardener to component, pouring it slowly and mixing very well. Wait 15 minutes before applying to allow time for the pre-reaction.
- Apply a generous coat of product (when using a roller, we recommend Carver MONACO or POSEIDONE), abiding by the times stated for sanding or over coating, in one of the following cycles.
 - **To carry out a rapid water cycle:** apply OMEG-ART with our FAST water-based primer (see the technical data sheet of this product).
 - **For a cycle that will not change the colour of the wood:** apply 1 or 2 coats of OMEG-ART in combination with one of the following products used as a primer:
 - FONDO 300 (see technical data sheet)
 - AQUAHIT MAT (see technical data sheet)
 - EPSILON MAT (see technical data sheet)

- **For a cycle that will not change the colour of the wood (light-coloured woods):** apply 2 coats of OMEG-ART NATURAL EFFECT and 1 coat of OMEG-ART (any of the other three versions) to finish.
- **To carry out a natural-looking, high-performance water cycle (untreated wood effect) on light-coloured wood:** apply 2 or 3 coats of OMEG-ART NATURAL EFFECT, sanding between one coat and the next, according to the prescribed waiting times.
- **For a water-based finishing cycle with a colour change to the wood similar to that of a solvent-based varnish:** apply 1 or 2 coats of OMEG-ART together with our water-based primer RAFFELLO (see technical data sheet).
- **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 OMEG-ART (not OMEG-ART NATURAL EFFECT).

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 sheets).
 - 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

- Acclimatize and apply wood and product at a temperature between +15°C and +35°C. Make sure that the relative humidity in the room is from 35% to 75%.
- **Before application, make sure the hardener is completely dissolved in the finish** (there is always a little increase of the mixture viscosity).
- **Adhere strictly to the recommended amounts.**
- Always adhere to the prescribed recoating and abrading schedule. When recoating without sanding on OMEG-ART, do not exceed the 6 hr interval from the previous coat. When sanding and re-coating, do not exceed a 30-hour waiting time. Should also this latter interval be exceeded, in order to ensure good adhesion it is necessary to perform careful sanding, wash the floor with a cloth soaked in IDROCLEANER and to add 5% of our DILUENTE GRIP (see the technical data sheet of this product) to the catalyzed finish.
- **After abrading, always vacuum and tack thoroughly.**
- In the mixed cycle with FONDO K2 07, in case of application of a second coat of OMEG-ART, sand very well, vacuum thoroughly, then wipe with a cloth soaked with IDROCLEANER before proceeding.
- To improve coating or to delay drying, especially in very hot weather, add 5-10% water to the catalysed varnish or 2% of our DILUENTE GRIP.
- In the MAT or NATURAL EFFECT versions, the varnish tends to become glossy when rubbed, if applied in a very thin layer.
- Never use OMEG-ART NATURAL EFFECT on exotic or dark woods because it may cause unwanted and uneven whitening. Before treating these woods, 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 6- -8 days.**

TECHNICAL DATA

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

Mixture ratio by volume with IDRO2	10:1
Viscosity	22" F4 ± 2" F4
Viscosity of the catalyzed mixture	30" F4 ± 5" F4
Specific weight	1.03 ± 0.01
pH	8.0 ± 1.0
Pot life	4 hrs.
Dry to touch	20-30 minutes
Recoating after/by	3/6 hrs.
Sanding and re-coating after/within	5-6 / max. 30 hrs.
Cautious foot traffic after	24 hrs.
Complete drying	6-8 days
Friction coefficient (UNI EN 13036-4:2004)	1.02
König hardness	55
Buchholz hardness	95
Abrasion resistance CS10 (Taber abraser, abrasive wheel CS10, 1000 g weight, 1000 rotations)	12 mg
Abrasion resistance CS17 (Taber abraser, abrasive wheel CS17, 1000 g weight, 1000 rotations)	30 mg
Resistance to rubber heels	Excellent
Impact resistance	Excellent
Opacity degree OMEG-ART Semigloss	50 Gloss
OMEG-ART Satin	35 Gloss
OMEG-ART Mat	15 Gloss
OMEG-ART Natural Effect	6 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.