



## TECHNICAL DATA SHEET

rev.10 13/07/2010

**OMEGA/SL** (semigloss sheen finish)

code VE6000

**OMEGA/S** (satin sheen finish)

code VE6005

**OMEGA/O** (mat sheen finish)

code VE6010

### TECHNICAL DATA *(based on room temperature of 23° C and 65% of relative humidity)*

Mixture ratio by volume (with IDRO 2 hardener)	10 : 1
Viscosity	22" ± 2" F 4
Viscosity of the catalyzed finish	30" ± 5" F 4
Specific weight	1.03 ± 0.01
pH	8.0 ± 1.0
Pot life	4 hr
Dust free	20 min
Recoating after / within	3 / 6 hr
Abrading and recoating after / within	5-6 / max. 30 hr
Cautious foot traffic after	24 hr
Complete drying	6 - 8 days
König hardness	55
Buchholz hardness	95
Abrasion resistance ♦	15 mg
Sheen OMEGA/SL	50 gloss
OMEGA/S	35 gloss
OMEGA/O	15 gloss
Recommended coverage (per coat)	10 -12 sq.m./liter
Thinning	ACQUA BLU
Tools cleaning	IDROCLEANER
VOC %	8.4 %
VOC (calculated on the 10:1 catalyzed mixture)	104 g/l
VOC limit value <i>(Subcat. j WB Two-pack performance coatings)</i>	140 g/l
♦ <i>Taber abramer test, abrasive wheel CS10, 1000 g weight, 1000 rotations</i>	

### DESCRIPTION

Two-component, waterborne, aliphatic, polyurethane finish for wood or cork floors and other surfaces, with exceptional abrasion resistance. Designed for ease of application and commercial-level wear and scuff resistance, OMEGA also provides excellent resistance against chemicals for domestic use. This product is NMP (N-methylpyrrolidone) and NEP (N-ethylpyrrolidone) free.

### DIRECTIONS

Sand and, if necessary, fill and smooth the floor. After final sanding or screening, vacuum and tack thoroughly. Shake OMEGA finish (component 1) to dissolve any solids which may have settled to the bottom of the container. Add IDRO 2 hardener to component 1 as directed (10%) and mix very well. **Wait 15-20 minutes before applying.**

#### Recommended cycles:

- **To preserve the natural colour of the wood:** apply by roller or brush 2-3 coats of the catalyzed finish, abrading with 150÷180-grit abrasives between coats. Optionally, OMEGA can be applied with Carver FONDO 300 waterborne sealer (see the technical data sheet of this product).
- **To get a wood colour toning similar to a solvent-based finishing cycle:** apply OMEGA with one of our waterborne sealers GIOTTO or RAFFAELLO (see the technical data sheets of these products).



- **To obtain a wood colour toning typical for a solvent-based finishing cycle:** apply 1 coat of our two-component, solvent-based, polyurethane sealer FONDO K207 (see the technical data sheet of this product) by roller or brush. After 3 and before 24 hours, abrade with 150÷180-grit abrasive, **taking care not to “break through”**, then apply 1 coat of OMEGA by roller or brush.
- **To achieve a rapid water-based cycle:** apply OMEGA with our FAST 2004 waterborne sealer (see the technical data sheet of this product).
- **In case of exotic and little absorbing woods**, such as wengé, ipé lapacho, olive etc., we recommend to use in the first coat our ISOLANTE 65 impregnating product, to improve adhesion and to avoid any unwanted wood colour change.

**Any different cycle or applying method should be previously verified.**

The recommended abrasive grits are for a single-plate buffer; when employing a Trio sander, use 80÷100-grit abrasives.

#### **NOTICE**

- Apply at a room temperature between +15° and +35°C with relative humidity between 35% and 80%. Allow finish to reach room temperature before application.
- **Before application, make sure the hardener is completely dissolved in the finish** (there is always a little increase of the mixture viscosity in comparison with the component 1 viscosity).
- **Adhere strictly to the recommended coverage rates.**
- Always adhere to the prescribed recoating and abrading schedule. When recoating without abrading, do not exceed 6 hr interval from the previous coat. When abrading and recoating, do not exceed 30 hr interval. Should also this latter interval be exceeded, in order to ensure good adhesion it is necessary not only to perform a careful abrading, but also 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.**
- To improve the flow or to extend open time, particularly during warmer weather, add to the catalyzed finish 2% of Carver DILUENTE A60 additive or max. 5% of Carver ACQUA BLU thinner.
- Clean tools with Carver IDROCLEANER or, for lack of this, with water, better if lukewarm.
- **The finished surface can be cautiously walked on after 24 hours. It achieves the optimal mechanical resistance after 6- 8 days.**

**Protect from freezing!**

**Dispose of excess product and empty containers properly.**

**If the original unopened containers are stored in a cool and dry place, the product will keep for 12 months.**

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