

# Construction Resources



## AQUAMARIJN TECHNICAL SHEET A9

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### PLANC FLOOR VARNISH (plus driers)

**Uses** *Aquamarijn Planc* floor varnish is a professional clear floor varnish for all interior timber floors. It may also be used as extremely tough protection for heavily-used furniture, doors etc. *Aquamarijn Planc* is suitable for children's toys and furniture.

**Properties** *Aquamarijn Planc* has good covering and protective qualities. It has excellent elasticity and is not prone to flaking or blistering. It may be scrubbed without damage to its appearance. The use of 'stand oil' grade linseed oil results in a high quality smooth finish.

**Containers** 0.25 litre, 0.75 litre, 2.5 litre and 10 litre tins.

**Coverage** Approximately 10-12m<sup>2</sup> per litre, depending on absorbency of the surface.

**Colour** Clear. *Aquamarijn Planc* may also be tinted with pigments pre-mixed in oil up to a maximum 3% of volume. See technical sheet H7 Natural Earth and Mineral Pigments.

**VOC Level** 51.2%

**Preparation** The surface must be dry, dust and grease free. For the best results the moisture content should not exceed 18%. Certain woods (Western Red Cedar for example) can delay the drying process considerably. On existing work, the surface should be scoured well, and then sanded down to achieve a good key.

**Drying agent** *Aquamarijn* drying agents are available separately in 30, 100 and 500 ml containers, which are supplied with a dispensing syringe to enable the correct amount to be added to the varnish.

**Application** Add the drying agent (as instructed on the lid) in the proportion 1.2 parts to 100 (1.2%). For example: to 0.25 litres of *Aquamarijn Planc* add 3ml of drier; to 0.75 litres of *Planc* add 9ml of drier; to 2.5 litres of *Planc* add 30ml of drier. Stir well for at least 3 minutes. Apply with a brush. If necessary *Aquamarijn Planc* can also be applied using a roller (then brush out with brush) or spray gun. If a silk-gloss finish is required then the varnish is best applied using a brush. Always varnish in the direction of the grain to avoid streakiness. It is better to apply thin layers rather than thick layers to obtain the correct finish. Sand between each layer. When tinting the varnish with pigment; tint the first layers but leave the last layer **untinted**.

**Note:** Allow *Aquamarijn Planc* to dry completely before letting children play with toys or furniture.

For bare timber:

Apply **3** coats. The first two coats being *Aquamarijn Planc* Gloss varnish, the final coat either Gloss or Satin gloss finish depending on the preferred sheen.

Over existing varnish:

Apply **2** coats. The first coat being *Aquamarijn Planc* Gloss varnish, the final coat either Gloss or Satin gloss finish depending on the preferred sheen.

- Use with** Aquamarijn Driers, Holzweg Floor Milk, Holzweg Floor Soap
- Drying Times** *Aquamarijn Planc* is dust-dry after 4 hours and touch-dry after 6 hours. Allow approximately 24 hours between coats (at an air temperature of 15° - 25°C, with relative humidity 50 - 80%).
- Cleaning** Brushes, rollers and spraying equipment can be cleaned with Balsamic Turpentine.
- Storage** Store in a cool and well-ventilated space. It is insensitive to frost and can be kept for a minimum of 2 years unopened.
- Ingredients** Tung oil, linseed oil-stand oil, glycol ester, cobalt-zirconium dryer, gum turpentine, citrus thinner.
- Safety** *Aquamarijn Planc* is flammable: keep away from fire and other sources of ignition. It contains natural solvents: use only in well-ventilated areas both during and after application. Avoid contact with skin and eyes; wear gloves to apply. Do not smoke, eat or drink during use. Store closed in the original container in a cool place. Always allow used rags to dry unfolded to avoid self-ignition. Keep out of reach of children and animals.
- Disposal** Do not throw waste product down the drains; always try to utilise a registered disposal/recycling facility.
- Maintenance** Clean and maintain with Holzweg Floor Milk, or for more powerful cleaning use Holzweg Floor Soap. See technical sheets H28 Floor Milk and H29 Floor Soap.
- Classification** All Aquamarijn products are divided into categories depending on the degree of natural materials used in the manufacturing process. The classification number appears on the front of each label:  
 Class 1 is 99% natural. Class 2 is 95% natural  
 Class 3 is 90% natural. Class 4 is 70% natural  
**Aquamarijn Planc is class 3.**

<b>Binding agent</b>	Linseed oil-stand oil and glycol ester	
<b>Thinner</b>	Gum turpentine and citrus thinner	
<b>Transport code</b>	ARD none	
<b>Danger code</b>	UN number 126.3	
<b>Flash point</b>	35°C	
<b>Elasticity</b>	>7mm (Ericksen)	
	<b><u>Gloss</u></b>	<b><u>Silk Gloss (Satin)</u></b>
<b>Solids by volume</b>	42-44 weight %	38-40 weight %
<b>Weight (approx.)</b>	0.98-0.91 kg/litre	0.93-0.95 kg/litre
<b>Viscosity</b>	280-320 mPa.s.18°C	180-220 mPa.s.18°C
<b>Gloss degree</b>	>90 (at an angle of 60°)	25-35 (at an angle of 60°)

This technical information sheet is intended to provide guidelines for retailers and users. However, the user is responsible for testing the product on the intended surface to make sure that it is suitable for his or her requirements. This sheet was issued on August 1999 and may be superseded by later editions.

© CONSTRUCTION RESOURCES 1999  
 16 Great Guildford Street, SE1 0HS

Tel: 0207 450 2211. Fax: 0207 450 2212.

Email: [info@ecoconstruct.com](mailto:info@ecoconstruct.com) Website: [www.constructionresources.com](http://www.constructionresources.com)