

**Data sheet for coating materials by von Höveling Farben GmbH & Co. KG.****Date of issue : 06.2006****Name of product : Aqua-Kajüt-Klarlack D 12****Type of material - characteristics :**

Aqua-Kajüt-Klarlack is a high-quality one-component, solvent-free boat and yacht varnish on the basis of a PU-acrylate dispersion combination.

Aqua-Kajüt-Klarlack has a very good spread and is a abrasionproof, hard-wearing protection for all wooden areas with normal stress in the interior of boats and yachts.

Aqua-Kajüt-Klarlack is not harmful to the environment, with water dilutable, easy to process, quick-drying, with little odour, and is suited for good coats of varnish in the "do it yourself" sector.

Colour : clear**Gloss:** satin**Coating proposal :**

New coating: Apply 1 coating diluted with approx. 10% **water** and 2 coatings undiluted (approx. 40µm each).

Repair : Aqua-kajüt-Klarlack can be used on cleaned, mat-polished old coating with 1-2 coats of paint (approx. 40µm each).

Technical data

Density :	approx. 1.0 kg/l	non-volatile matter :	30 %
th. spr. rate :	10 m ² /l	with sensitive dry layer :	40 µm
mean layer	40 µm dry	with brush corr. to approx.:	135 µm naß
thickness :	40 µm dry	with spraying corr. to approx	135 µm naß

The practical spreading rate is calculated from the theoretical spreading rate minus losses due to processing and object geometry (DIN53220)

Preparation of the substrate or ground :

The substrate must be clean, dry and free of fat and dust.

Old coats of paint : Clean, dull-grind and de-dust, remove loose parts.

New coats of paint : Clean surfaces, finely grind and de-dust.

Dilution data :

Consistency :	fluid	Type :	water
Spray dilution max.:	10 vol. %		
Spray viscosity :			

Drying times (at 20° C) :

touch dry :	2 hours
non-crush :	24 hours
fully cap. of bearing :	2 days

Reworking times (at 20° C) :

reworkable after min.:	16 hours
reworkable up to max.:	90 days*

The data mentioned above depend on temperature, number of layers, thickness of layers, ventilation and type of stress.

*** After exceeding the reworking times, the complete area has to be grinded before renewed coating.**

Processing hints :

Aqua-Kajüt-Klarlack is a one component product. Before processing, the contents of the packing drums have to be thoroughly stirred up and agitated. Bottom and border regions have to be included.

For new coats of paint process first coating with addition of 10 % **water**, afterwards slight grinding.
Process second and third coating without addition of water.
Intermediate grinding after each coating with paper of grain 400.

According to temperature, for the adjustment of the spray viscosity up to 10% **water** may be added.

For airless processing at a nozzle diameter of 0.28 - 0.48 mm at the nozzle a dynamical pressure of approx. 100 - 150 bar is necessary.

For air spraying, a nozzle diameter of 1.2 - 1.4 mm with a spraying pressure of 3 - 5 bar is used.

For spray treatments areas of difficult access, as e.g. narrow edges, profile backs etc. have to be precoated by brush. During processing the wet layer thickness has to be controlled to avoid harmful over- and undercoatings.

For troublefree drying, the object temperature should neither be below 5° C nor above 30° C. At temperatures below 5° C drying time is considerably prolonged, and the period until to the next coating should be a minimum of 48 hours.

Sufficient ventilation in closed rooms for processing and in the drying phase has to be provided.

After the end of the works the instruments have to be cleaned with **soap water**.

Safety data :

Flash point : 0° C (DIN 53213)

Further important safety data are to be found in the EU safety data sheet. The safety marks on the shipping drums, valid coating regulations, norms and directives have to be respected.

Tests and expertises :

Packaging :

750 ml

Storage :

Time from delivery date: 12 months
Storage temperature : frost-proof from 5° C to 35° C

This product information serves as non-binding planning aid.

Date : 06/2006

Previous data sheet editions herewith lose their validity.