

### **Rhenomors BS 12.2 Aqua**

1-K fire protection coating, water-based, colorless, for interior wood

**Art. No.: A 9003**

**Specification:** Fire retardant coating which forms an insulating layer, water-based; for flame-retardant protection of wood and wood composite according to DIN EN13501-1. Suitable for dry interior areas without mechanical strain, such as roof structures, wall and ceiling cladding, which are to receive a colorless coating.

For professional use.

**Areas of application:** Interior wooden surfaces, such as roof structures, doors, reverse side of stairs, wall and ceiling cladding, ply wood, chipboard and insulating board. Suitable especially for historical buildings, assembly halls, schools, playschools, barracks, hospitals, official buildings, storage halls, etc. Rhenomors BS 12.2 Aqua has been proven on the following types of wood: spruce, pine, fir, oak and beech. If being used on other types of wood please consult our technical department. Test products before use, especially on any dark types of wood.

**Classification report:** A current classification report is available upon request.

**Mode of effectiveness:** Rhenomors BS 12.2 coatings develop a heat insulating and fire retardant insulating layer on impact of heat which protects the wooden substrate from the impact of fire and gives flame-retardant properties.

**Color:** Transparent-colorless

**Processing:** By brush, roller or spray gun

**Preparation of the surface:** Clean surface and remove any dust, grease, wax and resin. Remove any loose old coating. The surface must be clean, firm and sustainable. If the old coating is firmly adhering please consult our technical department. Wood moisture must not be above 15%. Tropical wood can be wiped with universal thinner. We recommend testing before use by coating a sample to eliminate a possible reaction with any wood components.

**Pre-treatment with wood protection:** If the surface should receive preventive protection against animal and / or plant derived wood destroyers, we recommend a pre-treatment with a biocidal impregnation product out of our Rhenocryl product range. Please consult our technical department in this case.

### **Application amount:**

Solid wood + solid wood boards (D ≥ 12mm thickness): 300 g/m<sup>2</sup> ± 250 ml/m<sup>2</sup>

Ply wood + chipboard (≥ D10-12mm thickness): 350 g/m<sup>2</sup> ± ca.300 ml/m<sup>2</sup>

**Preparation of the material:** Stir product well before mixing.

Object temperature: ≥ +10°C - ≤ +40°C, rel. humidity 70 %. In order to obtain an even surface and application amount, we recommend application in two steps. Do not dilute Rhenomors BS 12.2. If necessary, ask us for technical advice, also for spraying with Airless-spraygun.

Wooden elements coated with Rhenomors fire protection cannot be stacked (even after drying).

**Drying time at normal climate** (60% rel. humidity and + 20°C):

Dust dry: after approx. 2 hrs

Fully cured: after approx. 24 hrs

Further treatment/coat: after approx. 2 days

**Final coating:** In order to protect the fire retardant coating from abrasion, dirt and short-term moisture and to achieve an even and decorative surface, we recommend using Rhenomors TOP BS 12.3, colorless in any areas that are on view. Application amount: 50 g/ m<sup>2</sup>.

**Cleaning of the tools:** Clean residues of Rhenomors BS 12.2 Aqua with cold water and residues of Rhenomors TOP BS 12.3 with Rhenocoll thinner 140/1400.

**Technical data:**

Density: ca. 1.33 g / cm<sup>3</sup> at +20°C

Flash point: not applicable

**VOC directives 2010:** Cat. I / base wb / max value 140 g/l / actual value 40g/l

**Storage:** storage temperature: ≥5°C ≤25°C; in unopened original container storable for up to 18 months.

**Supply form:**

5 kg pail

**Safety advice:** During processing, common protection measures and regulations according to the authorized trade association must be observed. Safety-relevant data and instructions regarding disposal can be found in the safety data sheet.

**Labeling according to regulation (EC) No 1272/2008:** no labeling required

**GGVS/ADR:** non dangerous goods

**Service:**

Our service team for application technology is available to you at any time without obligation.

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**Fire protection measures must be executed by trained professionals.**

Please refer to the currently valid approval documentation, which has to be available at the place of use. Fire protection measures must be executed by trained professionals. This technical data sheet is for consultation purposes. In view of the large diversity of applications we cannot warrant for individual cases. This is also valid, if we have given technical advice. Any technical advice is given without obligation, but based upon our knowledge and experiences. Verbal agreements and confirmations require always a written confirmation. The information given within is without obligation and is based on practical experience as well as on experiments which we have carried out and are not attribute warranty in the sense of the newest BGH legal requirements. We recommend that in any case users carry out their own tests since we have no influence over the large diversity of materials and their processing. No liability for the manufacturer can be derived from the contents of this data sheet. Statements going beyond or deviating from the contents of this data sheet require the written confirmation of the company headquarters. Our General Terms & Conditions apply in any case.

With the release of this technical data sheet all previous versions become obsolete.