



HSMC
Zweigniederlassung
der TDH – GmbH
Technischer Dämmstoff-
handel in Hamburg
Kettelerstraße 70
47574 Goch
Phone +49 2823 945490
www.hsmc.de

Vatral® Diaphan

Transparent dispersion adhesive



General Technical Data Sheet

Density	Approx. 1,05 g/cm ³		
Color	White		
Viscosity	Approx. 2000 - 3000 mPas	Brookfield, spindle 3 / 30 UpM	
pH-value	Approx. 8 bei 23 °C		

Technical Data Shipbuilding – Status 09.11.2021

Behaviour in fire	Not easy ignitable	According to IMO FTPC Teil 5	Module B: EC-Type Examination Certificate Certificate No. 118509-00 Module D: Certificate No. SEE 20049
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Product Description

Vatral® Diaphan transparent dispersion adhesive is an organic/inorganic aqueous, solvent-free composite dispersion with excellent permanent adhesion and high strength. It can be used for temperatures up to 160 °C.

Area of Application

Vatral® Diaphan is suitable for bonding nonwovens, fabrics and films.

Processing

The adhesive is ready for use. Stir the bucket thoroughly before use. The adhesive can be applied over a wide area or selectively with a brush. It can also be applied by squeegee or roller. Vatral® Diaphan tends to flow. Sufficient contact with the ambient air must be ensured for the adhesive to cure. The surfaces to be bonded must be clean, dry and free of dust and grease. The room temperature must not be below 10 °C during processing. Clean the tools with water immediately after use.

Application Amount

The application quantity depends on the condition of the substrate, maximum application quantity 500 g/m² when used according to IMO FTPC Part 5.

Drying Times

The strength of the adhesive is reached after drying. For film formation, a minimum temperature of 10 °C must be maintained during the drying process. Curing times depend on the application quantity and the substrate condition.

Storage and Transport

Vatral® Diaphan should be stored frost-free between 5 - 30 °C. Seal opened containers tightly. Unopened containers can be stored for at least 6 months. Plastic containers (rigid PVC, PE, polyester resin) are recommended. The storage and transport temperature must not fall below 5 °C.

Delivery Form

- bucket

Risk assessment according to the Requirements of Directive 2014/90/EU, Annex II, Part I.3

All reasonably foreseeable risks are covered by the applicable standards.

Additional Notes

Weak irritant effect in case of contact with eyes and skin. In case of contact with eyes or skin, rinse thoroughly with plenty of water. Wear suitable protective gloves and goggles.

The information in the safety data sheet must be followed.

