

# ***TECHNICAL DATA SHEET***

## **DEMPOL DRH**

### ***WOOD & FURNITURE ADHESIVE***

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DEMPOL DRH IS AN AQUEOUS DISPERSION OF PLASTICIZED POLYVINYL ACETATE  
EMULSION  
APEO free - SVHC free.

#### **EMULSION PROPERTIES**

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Type of Polymer	: Polyvinyl Acetate Homopolymer
Solid Content (%)	: 50 ± 1
pH (at 25°C)	: 4 – 5
Average Particle Size(µm) approx.	: 1.79
Viscosity (Brookfield DV-II+) (at 25 °C)	: 60000 - 75000 mpa.S (spindle:6/10rpm)
Stabilizing System	: PVAL
Free Monomer Content (%)	: <0.3
Density (at 25 °C)	: 1.05 - 1.2 (gr/ml)
Minimum Film Forming Temperature (°C)	: 1-4 °C (±1)
Film Appearance (at 25 °C)	: Clear, flexible
Glass Transition Temperature (°C)	: +29

## APPLICATION

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DEMPOL DRH is an aqueous dispersion of polyvinyl acetate emulsion with a high bonding strength.

It is particularly suitable for wood and furniture. It is used as adhesive for general purposes.

In order to increase the quality and performance of adhesive, Dempol DRH is modified by special auxiliary materials.

It can be dried rapidly because of high solid content. Since the emulsion does not contain any filler, it can transform to a transparent film.

Although the most common problems of all adhesives are to turn yellow and smell of non-polymerized monomer, DEMPOL DRH does not exhibit both problems due to its high stabilizer content. Its binding force is very high. If desired, 5-10 % filler can be added into DEMPOL DRH

Good compatibility also exists with plasticizers such as dibutyl phthalate, diisobutyl phthalate, butyl diglycol acetate and butyl carbitol acetate.

Conventional defoamers can be used for inhibiting foam formation.

Even though DEMPOL DRH is protected from microorganisms, it is required to add antibacterial agents to the finished products to ensure good storage stability.

Surfaces to be applied should be thoroughly freed of dust, dirt, etc. Adhesive should be stirred before applying on to the surface. Applications can be realized with brush or roller. The wood pieces must be kept under pressure until drying is achieved.

## FEATURES

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- Good heat stability
- Clear and flexible film
- High adhesion ability
- High bonding strength.

## SAFETY

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- PERSONAL PROTECTION** : Wear suitable protective clothing , gloves and glasses for eye / face protection.
- SKIN CONTACT** : Wash skin as soon as possible with plenty of water.
- EYE CONTACT** : Flush immediately with plenty of water , keeping eyelids open , for at least 15 minutes. Remove contact lenses. Seek for medical assistance.

## HANDLING & STORAGE

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- HANDLING** : Ventilate the working place thoroughly. Avoid contact with skin, eyes and clothes. No eating and drinking in the work place.
- STORAGE** : Stable for 12 months , in close drums at ambient temperature (+5 / +40°C) avoid freezing temperatures and sources of heat and direct sunlight.

### NOTE

The above information is based on our knowledge and experience. In view of many factors that may affect processing and application, these data do not relieve end-users from the responsibility of carrying out their own tests and experiments.