

HEMEL® FR Fire Retardant Solution

Description: Water-based transparent fire retardant solution

Color: Transparent

Type: Water-based

General Features:

- Slows the spread of flame
- Can be applied on surfaces such as solid wood, MDF and chipboard
- Versatile application with brush/roller/dip
- Child safe (EN 71-3 Certified)
- Odorless
- Environmentally friendly
- Ready to use

Packaging: 5 L.

Where to Use:

- All exterior and interior wooden surfaces except floors

Product Data:

Solid content % (weight):	20.45 ± 2
Viscosity (DIN4, 20°C):	11" ± 2
Density (g/cm ³):	1.09 ± 0.02
VOC (g/L):	10
Application Method:	Brush, roller or dipping
Shelf Life (5-35°C):	Two years for unopened can
Number of Coats:	1 coat
Coverage (m ² /L):	4-5 m ² (depending on wood type and application method)
Drying Time (at 20°C and 40-65% relative humidity):	Complete Dry: 24 hours
Thinning:	Ready to use, does not require thinning.

Surface Preparation (Exterior):

- Remove any dirt, oil, and wood dust from the surface.
 - **New Wood Surfaces:**
 - Sand the surface with sandpaper #80/120.
 - Thoroughly clean the generated dust.
 - **Old Uncoated Wood Surfaces:**
 - Sand the weathered surface with sandpaper #80/120.
 - Thoroughly clean the generated dust.
 - **Coated/Varnished Wood Surfaces:**
 - Do not apply the product directly on pre-coated surfaces.
 - Remove the old paint/varnish from the surface thoroughly with sandpaper.
 - Thoroughly clean the generated dust

Application:

- The product is ready to use and does not require thinning.
- Stir the product thoroughly before use and check its homogeneity. Repeat this process during the application.
- For best results on interior and exterior wood except floors, apply one coats with a roller, brush or dipping and brush off excess oil.
- Apply the solution at a rate of 200-250 grams of product per square meter.
- **Apply solvent or oil-based finish over the solution as a topcoat. Do not use in combination with water-based products.**
- For a homogeneous surface appearance before the top coat, sand with 180/220 grit sandpaper and remove dust thoroughly.

Instructions:

- FOR INTERIOR OR EXTERIOR USE EXCEPT FLOORS.
- Not to be used as a topcoat, no protection when used alone.
- Ensure that the product is completely dry before applying solvent or oil-based finish.
- In order for the certificate standard and documents to be valid, the application conditions specified in the Technical Data Sheet must be complied with.
- Keep product closed when not in use.
- The general application temperature of the product is between 15°C to 25°C at a relative humidity range of 40-65%.
- The moisture content of the wood should be max. 20%.
- Do not apply the product under direct sunlight or rain. The area should be ventilated during and after the application to promote drying.
- The product should be stored at temperatures between 5°C to 35°C.
- Painting tools should be cleaned with soap and plenty of warm water after application.

Safety Precautions:

- USE WITH ADEQUATE VENTILATION.
- KEEP OUT OF REACH OF CHILDREN.
- Do not transfer contents to other containers for storage.
- Do not use empty cans for other purposes.
- To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying.
- Avoid contact with eyes and skin.
- Wash hands after using.
- FIRST AID: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. Call Poison Control Center, hospital emergency room, or physician if swallowed.
- Dispose of contents/cans by national regulations.

- Please refer to the product's Safety Data Sheet (SDS) for health and safety information.

Certificates:

- Classified as C-S2, D0 according to TS EN 13823+A1 standard.