

# Capadur TwinProof

Transparent, water-thinnable wood glazing with a high protective effect against UV light and moisture. For exterior use on dimensionally stable or limited stable wood and for dimensionally unstable wooden parts.



## Product Description

Field of Application	<p>Transparent wood glazing with a high protective effect against UV light and moisture. Applicable on dimensionally stable wood, e.g. doors and windows, on limited dimensionally stable wood, e.g. wooden boards with tongue and groove, shutters, gates, framework, etc., and suitable for coating dimensionally unstable wooden parts, e.g. panelling, balustrades, fences, etc.</p> <p>Use Capadur TwinProof preferably for bright conifers, such as pines, spruces and fir trees. Test application is advisable before applying on dark wood (see below Colours, Note:").</p> <p>Capadur TwinProof is provided with a preservative against deterioration in the coating due to fungal (mildew/mould) and algal attack. The film preservative has a delaying effect to infestation. On highly endangered wooden parts (e.g. soffits of flat roofs or plate-type boards, e.g. made of maritime pines) a premature infestation must be considered, depending on the biological loads on site, even before expiration of usual warranty time.</p> <p>The product cannot be used for wood with permanent contact to water and ground/soil.</p> <p>Only to be used for exterior substrates, due to the content of film preservation. The interior surfaces of exterior windows and doors belong to the exterior surfaces and can be coated on all sides.</p>
Material Properties	<ul style="list-style-type: none"> <li>■ High degree of transparency</li> <li>■ UV protection due to nanotechnology</li> <li>■ Moisture proofing due to providing a water-repellent surface (hydroperl: water droplets roll off effect)</li> <li>■ Provided with a preservative against deterioration in the coating due to fungal attack (fungi/mildew/mould)</li> <li>■ Thin film wood glazing, allows easy renovation</li> <li>■ Water-thinnable</li> <li>■ Polyurethane modified</li> <li>■ Non-blocking</li> <li>■ Low dripping consistency</li> </ul>
Material Base / Vehicle	Acrylic dispersion/emulsion
Packaging/Package Size	1 litre and 5 litres
Colours	<p>Uncoloured with a high transparency.</p> <p>The impression of colour shade and gloss level are influenced by the condition of the wood surface as well as the number of coats and the applied quantity of material.</p> <p>Note: UV protection is achieved using micronised titanium dioxide. This may lead to a whitish shade on dark wood or high quantities of applied material. Discolouration may occur on wood containing wood compounds/extractives, e.g. oak. Hence a preliminary test application on such wood is advisable.</p>
Gloss Level	Silk-matt/semi-gloss (mid sheen / velvet or eggshell-like finish)



Storage
Technical Data

Keep in a dry, cool and frost-free place.  
Shelf life: Min. 2 years in the original, tightly closed can.

■ Density: Approx. 1.0 g/cm<sup>3</sup>

## Application

Suitable Substrates
Substrate Preparation
Preparation of Material

Stable wood, limited dimensionally stable wood and dimensionally unstable wooden parts. The substrate must be clean, sound/stable, dry, and free from all substances that may prevent good adhesion.  
Maximum permissible moisture content in dimensionally stable wood: 13%; in limited dimensionally stable or unstable wood: 15%.

Follow the principles of constructional wood preservation. They are the basis for longlasting wood preservation with coating materials. Follow BFS Data Sheet No. 18 paragraph 2.2.3. for applying the material on panel-like derived timber products, e.g. solid wood, veneer layered plywood, particle boards or wood fibreboards.

Advice for the upkeep of coated wooden parts:  
A durable value-preserving protection of coated wooden parts is only achievable by professional upkeep at regular intervals. In Germany: Follow the advice given in BFS Data Sheet No. 18, affix C.

**Existing Wood Surfaces:**  
Sand (abrade/grind off) greyed, weathered surfaces to the sound, solid substrate and clean the surface. Impregnate with Capacryl Holzschutz-Grund.

**New Wood Surfaces:**  
Sand even, planed surfaces in fibre direction, clean well and remove exuding wood extractives, e.g. wood resin/rosin. Impregnate with Capacryl Holzschutz-Grund.

Capadur TwinProof is ready to use, but should be stirred before applying.  
Brush application: Use special brushes for applying acrylic enamels (mixture of polyester and natural bristles, e.g. Orelmix).  
Roller application: Use short pile polyamide roller and then treat with a brush.  
Capadur TwinProof is provided with a preservative against deterioration in the coating due to fungal and algal attack and can only be applied by spraying equipment within closed sites.

### Surface Coating System

Substrate	Use	Substrate Preparation	Impregnation	Priming Coat	Intermediate Coat	Finishing Coat
Uncoated wooden parts	only exterior <sup>1)</sup>	BFS Data Sheet No. 18	Capacryl HolzschutzGrund	Capadur TwinProof	Capadur TwinProof	Capadur TwinProof

<sup>1)</sup> Interior surfaces of exterior windows and doors belong to exterior surfaces.

Consumption
Application Conditions
Drying/Drying Time
Tool Cleaning

70 - 100 ml/m<sup>2</sup> per coat.  
Consumption is influenced by the substrate condition, e.g. roughness or absorbency. The exact rate of consumption is best established by a trial coating.

**Lower Temperature Limit for Application and Drying:**  
+ 8 °C for material, substrate and ambient air.

At 20 °C and 65 % relative humidity the subsequent layer can be applied after 1 hour, at the earliest. Stacking of coated parts: after 8 hours, at the earliest. Completely dry after approx. 2 days. The drying time is extended at lower temperatures and higher humidity or in case of insufficient air exchange, e.g. when boards are packed closely.

Immediately after use with water.

Advice

Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Keep out of the reach of children. Do not breathe vapour/aerosol.  
 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water.  
 Do not empty into drains, water courses and onto the ground.  
 Safety data sheet available for professional user on request.  
 Contains CG22-1130 (UV absorber), Bis(1,2,2,6,6-pentamethyl-piperidyl)sebacat. May produce an allergic reaction.

Disposal

Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Particular attention should be made to removing wastage from site in compliance with standard construction site procedures.  
 In Germany: Only completely emptied cans/containers should be given for recycling. Dispose containers with residues of liquid material as remnants of water-based paints and dried material as hardened paints waste or via domestic waste.

EU limit value for the VOC content

of this product (category A/e): max. 130 g/l (2010). This product contains max. 60 g/l VOC.

Product Code Paints and Enamels

M-KH01F

Customer Service Centre

Tel.: (+49) 0 61 54 / 71 17 10  
 Fax: (+49) 0 61 54 / 71 17 11  
 e-mail: kundenservicecenter@caparol.de

International Distribution: Please see [www.caparol.com](http://www.caparol.com)

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All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/ applicator from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply. This document is a translation of our German Technical Information No. 24 · Capadur TwinProof · Issued: January 2010

DAW International Business: Deutsche Amphibolin-Werke von Robert Murjahn Stiftung & Co KG · P.O.B. 1264 · D-64369 Ober-Ramstadt · Tel. +49 6154 71-1274  
 Fax +49 6154 71-1264 · E-mail [export@daw.de](mailto:export@daw.de) · Internet [www.caparol.com](http://www.caparol.com)