

# Capadur Wetterschutzfarbe NQG

The wood paint with NQG technology



## Product Description

### Field of Application

For colourful designing and protection of limited dimensionally stable wood, e.g. wooden claddings, shutters, gates, framework, etc., and wooden parts of unstable shape, e.g. panelling, fences, shingles, balustrades, pergolas, etc. Also suitable for down pipes and rain pipes made of rigid PVC and galvanised metal sheets.

In Germany: Follow BFS Data Sheet No. 18, section 2.2.3 et seq. for coating boards of derived timber products, e.g. boards made of solid wood or veneer plywood. Request for further advice.

Mineralised polymer surface, due to Nano Quartz Matrix Technology, for long-lasting clean surfaces without any loss of coating film elasticity.

This product is provided with a preservative against deterioration in the coating film due to fungal (fungi/mildew/mould) and algal (algae) attack. In most cases such a film preservation ensures an effective protection for years against fungal & algal attack. But the content of film preservation agent is reduced to an ecologically worthwhile/justifiable rate, thus in individual cases a premature attack may occur, highly depending on the biological loads on site. In spite of containing a film preservation, on boards made of derived timber products (e.g. plywood, veneer plywood, laminated veneer lumber et al.) a durable protection against fungal attack cannot be guaranteed. On principle, a premature attack must be taken into consideration (even before lapse of warranty time).

Roof soffits are, depending on construction and finish, also highly prone to fungal attack, thus cannot be warranted. Together with constructional/structural measures the use of preservative agent is the only way to protect the surface film of coatings for a longer period against the risk of fungal and algal (algae) attack.

### Material Properties

- High weather resistance
- Reduced soiling tendency
- Very good colour stability
- Elastic
  
- Easy and smooth application
- Drip-resistant
- Water vapour diffusible
- Surface temporarily protected against fungal and algal attack

### Material Base / Vehicle

Nano-Quartz-Matrix modified synthetic resin dispersion/emulsion, particularly for wood construction elements.

### Packaging/Package Size

- Standard Colours:  
750 ml, 2.5 litres, 5 litres, 10 litres
- ColorExpress:  
700 ml, 2.4 litres, 4,8 litres, 9,6 litres



# TECHNICAL INFORMATION NO. 173

**Colours** White, Chocolate Brown, Light Grey, Deep Black, Swedish/Oxblood red.  
Tintable via the ColorExpress stations in many colour shades.

A temporary brightening of shades is possible while the coating is stressed by water. This effect is typical for the special material type and does not affect the functionality of the coating. This information applies also for a wear debris of pigments on the surface of coatings in case of high scouring stress.

When applying colours with lower opacity, such as red, orange or yellow, it is advisable to previously apply one priming coat using the matching colour shade of our Priming System. Priming System colours are available via the ColorExpress tinting technique.

**Colour Resistance Classification as per German BFS-Merkblatt (Data Sheet) No. 26:**

Binder: Class A

Pigmentation: Group 1 to 3, depending on the colour.

**Gloss Level** Silk-matt/semi-gloss (mid sheen; velvet or eggshell-like finish).  
The gloss level may vary, depending on the wood surface.

**Storage** Keep in a cool, but frost-free place.

**Technical Data** ■ Density: Approx. 1.3 g/cm<sup>3</sup>

Suitability according to  
Technical Information No. 606  
Definition of Application Areas

Interior 1	Interior 2	Interior 3	Exterior 1	Exterior 2
-	-	-	+	+
(-) inapplicable / (○) of limited suitability / (+) suitable				

## Application

**Suitable Substrates** Limited stable and unstable wooden parts.

Substrates must be clean, sound/stable, dry and free from all substances that may prevent good adhesion. Max. permissible moisture content in limited stable and unstable wood (WMC): 15 %. The principles of constructional wood preservation are to be observed. They are the basis for a durable wood protection with coating materials. Germany: See BFS Data Sheet No. 18.

**Substrate Preparation**

**New Wooden Parts:**

Sand/grind the surface of wood in fibre direction, clean thoroughly and remove seeping wood contents, e.g. wood resin/rosin and resin galls, cut sharp edges.

**Uncoated Existing Wood:**

Sand/grind off weathered (greyish) surfaces to obtain a sound/stable substrate, then clean thoroughly. Cut sharp edges.

**Coated Wood:**

Carefully remove all unstable existing coatings to the stable wood. Roughen (slightly sand) the surface of stable coatings and clean thoroughly.

**Zinc, Unplasticized (Rigid) PVC:**

Wash with light ammonia solution using sanding pad according to German BFS Data Sheets No. 5 and No. 22 or clean via sanding pad and Multistar 1 : 5 diluted with tap (potable) water.

**Method of Application**

Capadur Wetterschutzfarbe NQG is ready-to-use and should normally be applied with enamel brush or roller. Stir thoroughly before use.

Capadur Wetterschutzfarbe NQG is provided with a preservative against deterioration in the coating film due to fungal (fungi/mildew/mould) and algal (algae) attack. Thus, spraying is only permitted in closed facilities under careful attention of local environmental and industrial safety regulations.

**Guidelines for Spray Application within Closed Facilities:**

	Nozzle	Spray Angle	Pressure	Dilution
Airless	0.012 - 0.014 inch	40 - 60°	180 - 220 bar	-

## Surface Coating System

Substrate	Use	Substrate Preparation	Impregnation <sup>1)</sup>	Priming Coat	Intermediate Coat	Finishing Coat
Wooden parts	exterior	BFS No. 18	Capacryl Holz SchutzGrund or Capalac Holz-Imprägniergrund	for light/bright shades <sup>2)</sup> Capalac GrundierWeiß or Capacryl Holz-IsoGrund	Capadur Wetterschutzfarbe NQG	Capadur Wetterschutzfarbe NQG
Zinc	exterior	BFS No. 5	–	Capacryl Haftprimer	if necessary: Capadur Wetterschutzfarbe NQG	
Rigid PVC	exterior	BFS No. 22	–	Capacryl Haftprimer	if necessary: Capadur Wetterschutzfarbe NQG	
Stable existing paint coatings	exterior	roughen	– <sup>3)</sup>	Capacryl Haftprimer <sup>3)</sup>	if necessary: Capadur Wetterschutzfarbe NQG	

1) Wooden parts at risk of blue stain must previously be impregnated with an anti-blue stain agent, as per German BFS Data Sheet No. 18 and VOB DIN 18363 Part C.

2) Always use Capalac GrundierWeiß or Capacryl Holz-IsoGrund on wood with watersoluble, discolouring substances of content that leave marks. 2 x on knots.

3) Prepare and prime defects in existing paint coatings, depending on substrate requirements.

### Consumption

Approx. 150 ml/m<sup>2</sup>per coat.  
Consumption is only a guide value and may vary, depending on substrate requirements. Determine the exact amount of material required by coating a test area on site.

### Application Conditions

#### Low Temperature Limit for Application and Drying:

8 °C for product, ambient air and substrate.  
Relative humidity must not exceed 70 %.

### Drying/Drying Time

At 20 °C and 65 % relative humidity (RH)	dust dry	recoatable	rainproof
after hours	1	12	24

Lower temperatures and higher humidity extend the drying time.

When using solvent-based primers (Capalac GrundierWeiß) adhere to 2-3 days drying time.

### Tool Cleaning

Clean tool after use with water and wetting agent. We recommend the wearing of nitrile gloves.

## Advice

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

Harmful to aquatic life with long lasting effects. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read carefully and follow all instructions. Avoid release to the environment. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. Contains 1,2-benzisothiazol-3(2H)-one, 2-methyl-1,2-benzothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 3-iodo-2-propynyl butylcarbamate. May produce an allergic reaction. According to European Regulation 528/2012 this product is defined as a "treated article" (not a biocidal product) and contains the following biocidal substances: 3-iodo-2-propynyl butylcarbamate (CAS-No. 55406-53-6), terbutryn (CAS-No. 886-50-0).

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 empty containers should be handed in for recycling. Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried/hardened product residues as construction site/demolition/municipal or domestic waste.

EU limit value for the VOC content

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

Giscode

BSW50

Substances of Content - Declaration

Polyvinyl acetate resin, titanium dioxide, coloured pigments, calcium carbonate, water, glycol ether, aromatics, glycoles, additives, film protection agents, preservatives.

Further Details

See Material Safety Data Sheet.

Customer Service Centre

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