

Coating products

profilan[®]-opac

Water-based, highly weather-resistant all-weather paint providing a protective film to prevent mould and algae formation, silk gloss finish and good coverage. For wooden and other surfaces.

Fields of application	profilan [®] -opac is predominantly applied to wood used in the outdoor context, e.g. window frames, doors, timberframe beams, balconies, wooden facades, soffits, etc. Also suitable for application on wood used in the indoor context. Can also be used for appropriately pre-treated brickwork, concrete, plaster, rigid PVC, zinc and galvanised steel.
Characteristics	<ul style="list-style-type: none"> • Very good adhesion to pre-existing coatings • Block-resistant • Protective film against mould and algae • Water-resistant and light-fast • High-coverage and diffusible • Verification of suitability in accordance with DIN EN 927-2 • Tested in accordance with EN 71-3, "Safety of toys"
Composition	Acrylate dispersion, titanium dioxide, pigments, water, glycols, additives, preservatives.
Active ingredients	Dichlorophenyl-dimethylurea (Diuron) 0.24 % Iodopropynyl butylcarbamate (IPBC) 0.1 % 2-Octyl-2H-isothiazol-3-one (OIT) 0.007 %
Colours	<p><u>Standard colours:</u> 1102-Sahara, 1117-Yellow ochre, 3101-Red, 3111-Crimson, 3140-Sweden red, 6105-Fir green, 7130-Smoke grey, 7135-Agate, 7140-Opal white, 8108-Bark brown, 8117-Chocolate, 9105-Black, 9010-Birch white</p> <p><u>Blended metallic colours:</u> RAL-9006 White aluminium, RAL-9007 Grey aluminium, DB colours Blended colours in accordance with the RAL, NCS and other colour charts, etc. are also available. Base coats blends can be obtained from the impra[®] colours blending centre The shade of blended colours should be checked prior to use. All colours can be blended with other colours. Special colours, e.g. RAL colours produced using a colour blending machine, may take longer to dry and be less block-resistant.</p>

Gloss level	Silk gloss																				
Packaging	Standard colours: 0.75 L, 2.5 L and 10 L drums. Blended colours: 0.75 L, 2.5 L and 10 L drums. Base: 0.675 L, 2.25 L and 9 L drums.																				
Method of application	Painting, rolling, spraying.																				
Quantity to be applied	100-180 ml/m ² in 2 work cycles. The application rate may vary depending on the surface and application method in question. The precise application rate should be determined by testing on a trial surface area.																				
Priming process	The surface must be clean, solid and viable. The moisture content of the wood should be between 12 % and 14 %. Non-viable surfaces must generally be sanded down. Remove resin pockets before commencing treatment. Wood used in the outdoor context should be protected against blue mould and rot using profilan [®] -prevent, depending on the applicable requirements of DIN 68800. We recommend pre-treatment with profilan [®] -secur where light colours are used in order to largely avoid any bleeding through of infiltrates. Further information on priming and constructive wood preservation measures can be found in the leaflet "BFS-Merkblatt 18".																				
Instructions for use	<p>General instructions Stir well before use. A sanding cloth will be a particularly effective tool at the intermediate sanding stage. Do not use wire wool for sanding. We recommend the use of special brushes for aqueous acrylic lacquers for painting/rolling. Do not use or allow to dry at temperatures under +10 °C (circulating air, surface or material) or in bright sunlight.</p> <p>Painting method Coats will generally be applied in an undiluted form. However, the initial coat applied to raw lumber may need to be diluted with 5-10 % water; this will also be the case for large-scale applications and applications at higher temperatures.</p> <p>Spraying method</p> <table border="1"> <thead> <tr> <th>Method</th> <th>Nozzle size</th> <th>Nozzle pressure</th> <th>Viscosity DIN 53 211</th> <th>Dilution</th> </tr> </thead> <tbody> <tr> <td>Flow cup</td> <td>2.0 – 2.2 mm</td> <td>2-2.5 bar</td> <td>40 sec.</td> <td>Adjust to spraying consistency using water</td> </tr> <tr> <td>Airless-spraying</td> <td>0.28/ 0.011 (mm/inch)</td> <td>120 bar</td> <td>Delivery consistency</td> <td>Not necessary</td> </tr> <tr> <td>Airmix-spraying</td> <td>0.28/ 0.011 (mm/inch)</td> <td>80 bar Inlet air 1-1.5 bar</td> <td>Delivery consistency</td> <td>Not necessary</td> </tr> </tbody> </table>	Method	Nozzle size	Nozzle pressure	Viscosity DIN 53 211	Dilution	Flow cup	2.0 – 2.2 mm	2-2.5 bar	40 sec.	Adjust to spraying consistency using water	Airless-spraying	0.28/ 0.011 (mm/inch)	120 bar	Delivery consistency	Not necessary	Airmix-spraying	0.28/ 0.011 (mm/inch)	80 bar Inlet air 1-1.5 bar	Delivery consistency	Not necessary
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Application to plaster, concrete, rigid PVC, zinc and	Remove any non-adhering coatings. A preliminary coat of solvent-based deep penetrating primer should be applied to new concrete and plaster surfaces to counteract the risk of saponification. This will also apply to sandy plaster. Treat any re-plastered and highly alkaline are-																				

galvanised steel	as. Items made of rigid PVC (gutters, rainwater pipes and the like) should be thoroughly abraded using coarse grit sandpaper. Zinc or galvanised steel should be pre-treated in accordance with the leaflet entitled "Beschichtungen auf Zink und verzinktem Stahl" ("Application of Coatings to Zinc and Galvanised Steel") (issued by: Bundesanusschuß Farbe und Sachwertschutz, Börsenstraße 1, 60313 Frankfurt). Apply two coats of profilan®-opac at delivery consistency.
Drying time	Dry to the touch: after approx. 60 minutes Ready for re-coating: after approx. 2 hours This information will apply per coat and under standard 23/50 conditions in accordance with DIN 50014. Higher humidity levels and lower temperatures will delay the drying process.
Dilution	Can be diluted with water, where necessary.
Cleaning of equipment	Clean equipment with water immediately after use, do not allow product to dry on equipment. Leave tools in paint during any interruptions in the application process.
Restrictions on use	Do not use on wood coming into contact with foodstuffs or animal feed. Tropical and tannic woods may take longer to dry and may be subject to discolouration or bonding issues. We therefore recommend the application of a test coat.
VOC content (g/L)	106g/L (Cat. 1e / Wb): max. 130g/L
CLP Regulation	profilan®-opac is subject to labelling obligations. Signal word: not applicable Pictogram: not applicable
H and P statements	H412 Harmful to aquatic life with long lasting effects. P273 Avoid release to the environment. P501 Dispose of contents/container in accordance with the applicable local/regional/national/international regulations. Contains fungicide E, OIT. May produce an allergic reaction.
Occupational health and safety	This product should be used in accordance with the applicable regulations governing occupational health and safety and accidents at work. Keep out of the reach of children. Do not inhale overspray. Ensure area is properly ventilated during and after use of product. Should the product come into contact with the eyes or skin, wash thoroughly with water immediately. Professional users will be provided with a Safety Data Sheet upon request.
Storage/ transportation	Store under cool, frost-free conditions. Close drum tightly after use. Store in the original drum in a place which is only accessible to individuals qualified to use the product. Shelf life when stored in a cool place: see drum label. Do not transport on days on which there is a chance of frost. RID/ADR: not applicable
Environmental protection	profilan®-opac may not be introduced into the soil, any bodies of water or the sewage system. Water hazard class 2 (self-classification in accordance with the VwVwS, Annex 4). Only drums which are completely empty should be sent for recycling. Hand over any liquid material residues to the collection point for paint residues. AVV waste code no. 08 01 12.
This Data Sheet is intended as a guideline. However, no guarantees can be given with re-	

gard to the various possible product applications on an individual case basis. This will also also apply in cases in which we have provided advice as to the application techniques to be used. Any such advice will be provided on a non-committal basis to the best of our knowledge, based on our findings and experience. Any oral agreements entered into or assurances given will generally be subject to written confirmation.

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