

QualiProtec® Filidur Q210 Filiform Corrosion Protection

Product Description

Qualiprotec Filidur Q210 is an innovative primer which, through a special combination of active organometallic corrosion protection pigments, will protect aluminium substrates from filiform corrosion. With QualiProtec Filidur Q210, filiform corroded substrates can be durably improved and protected. QualiProtec Filidur Q210 was successfully tested by the IFO Institut für Oberflächentechnik GmbH (Institute for Surface Treatment Technology) in accordance with DIN EN ISO 4623-2 (test report 9 A 563).

Areas of Application

Renovation coating for façade sheeting affected by filiform corrosion, profiles, window sills, etc. of aluminium which should be durably renovated and provided with long-term protection against filiform corrosion. Recommended in atmospheres with chloride such as coastal areas, swimming pools, or objects directly exposed to de-icing salt.

Coating System

Primer: QualiProtec Filidur Q210
Intermediate coat: QualiProtec Korrrgrund Q220
Top coat: QualiProtec Re-Vitaliser Top Coat Q311, Q331 or Q341. Clear coatings should not be used.

QualiProtec Filidur Q210 and QualiProtec Korrrgrund Q220 may be overcoated after 24 hours to max. 7 days at 20 °C without intermediate sanding.

Application

Temperature of object must be between 10 °C and 35 °C. Surface temperature must be at least 3 °C above dew point to prevent condensation during application.

For application with brush and roller, we recommend addition of a thinning agent of 0 – 5 % VQ1.

Maximum film thickness for QualiProtec Filidur Q210 should not exceed 100 µm, particularly if additional coats are to be applied.

Special Notes

Our indications are based on normal climate 23/50. The information contained in this technical data sheet is based on general technical standards and is meant for specialists. Any changes in the recommended operating procedures or specified environmental conditions may significantly influence the results. Our guarantee covers only the quality of the material delivered. We do not undertake any responsibility for the application. In case of doubt, we recommend contacting our Technical Service. Our products are under constant development. Therefore, please note date of issue of our technical data sheet and ask for latest edition.

Safety Measures

QualiProtec Filidur Q210 contains solvents and is combustible. Protect from heat and naked flames. Ensure that ventilation is adequate. Do not inhale vapours. The Safety Data Sheet as well as the general regulations regarding work hygiene and operational measures must be observed.

Technical Data

Binder	2-component epoxy resin
Pigmentation	Organometallic corrosion protection pigments
Finish	Matt
Color	Brown (ca. RAL 8025)
Substrate	Surface to be sanded to metallic brightness. Loose particles and dust to be removed from surface. To avoid re-contamination, surface must be coated within 60 minutes after sanding. Surface must be dry and free of grease and dust.
Thinner	VQ1 (Use of other thinners may result in defects and quality impairment).
Packaging	Pigment: 10,0 kg Hardener: 0,5 kg Spray cans of 189 ml
Shelf life	Pigment component/Hardener 6 months in original, unopened containers at 20 °C
Waste disposal	Residues and expired material must be taken to the toxic waste disposal unit, code 08 01 11.

Components	2
Hardener	H210
Mixing ratio	20 : 1 (by weight)
Potlife @ 20 °C	ca. 8 hours
Drying @ 23 °C	Dust-free ca. 10 min. Dry to touch ca. 1 hour Transportable ca. 20 hours Drying times depend on film thickness, and substrate and air temperatures.

Solids by weight	ca. 81 %
Solids by volume	ca. 60 % mixture
Density @ 20 °C	ca. 2.2 kg/l
Dry film thickness	40 – 60 µm
Theoretical yield	ca. 4.5 m ² /kg @ 60 µm

	Q210	Q220	H210	VQ1
VOC value	19 %	27 %	57 %	100 %

(replaces issue 03.19)

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