

Coil Coatings

COILTEC[®] CF6500

High-performance chromate-free primer

Specially formulated solution delivers long-term protection

Trusted global experience with over 20 years outdoor exposure data

Sustainable and innovative primer solution

COILTEC CF6500 is designed specifically to meet the performance needs of the building construction industry including roofing, siding, and steel doors.



Product Information

COILTEC CF6500 is a high-performance chromate-free primer based on sustainable innovation for the building construction industry. It provides effective corrosion protection without the use of chromate.

It is compatible with current backers, standard pretreatments, and topcoats. The product has been formulated to ensure that, when used with the topcoat, changes to the final color are avoided.



Product Composition

COILTEC CF6500 combines field-proven proprietary resin chemistry with the latest generation anticorrosive pigment technology to deliver a premium, reliable and durable solution.



Application

COILTEC CF6500 is a factory-applied primer finish that is administered through roll coating to metal substrates that are properly cleaned and pretreated, and then oven-baked to cure. It is designed as the first coating layer to AkzoNobel's two-coat and three-coat paint systems.

The primer has the same application properties as chromate-containing formulations, so no unique equipment or adjustments are needed on the coating line for easy conversion.



Substrate

COILTEC CF6500 can be applied to hot-dipped galvanized (HDG), Galvalume and aluminum. Other substrates may be available, please consult your local representative.



Storage, Safety and Disposal

Store in original container, away from direct sunlight and in a dry, cool and well-ventilated area.

The user and carrier are responsible for ensuring personal and environmental safety during application and transportation, in accordance with the product safety data sheets. Any product waste and used containers should comply with local environmental protection and waste disposal requirements.

Typical Parameters

Topcoat	FLEXIDURE®	POLYDURE®	SILKSTAR®	TRINAR™
Dry Film Thickness	Topside: Primer 5 µm, Topcoat 15-20 µm	Topside: Primer 5 µm, Topcoat 18-22 µm	Topside: Primer 5 µm, Topcoat 18-22 µm	Topside: Primer 5 µm, Topcoat 20-22 µm
Specular Gloss	Typical system 35+/-5 Available in other gloss ranges depending on customer requirements			Typical system 30+/-5 Available in lower gloss ranges depending on customer requirements
Pencil Hardness	≥F (Zhonghua 505 special pencil for coil coating hardness testing)	≥F (Zhonghua 505 special pencil for coil coating hardness testing)	≥F (Zhonghua 505 special pencil for coil coating hardness testing)	≥HB (Zhonghua 505 special pencil for coil coating hardness testing)
Cross-Hatch Adhesion	No peeling or removal			
T-Bend Adhesion	No loss of adhesion at 3T			
Reverse Impact	No paint removal at reverse impact of 9J			
Humidity Resistance	No blistering, cracking, peeling after 1,000 hours exposure to >95% humidity at 40± 2°C (non-condensation humidity test chamber)			
Salt Spray Resistance	Blistering no greater than 3(S3) and no other significant defects of plate surface after neutral salt spray for 1,000 hours			
Durability	★★★★☆	★★★★☆	★★★★☆	★★★★★



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We've been pioneering a world of possibilities to bring surfaces to life for well over 200 years. As experts in making coatings, there's a good chance you're only ever a few meters away from one of our products. Our world class portfolio of brands – including Dulux, International, Sikkens and Interpon – is trusted by customers around the globe. We're active in more than 150 countries and have set our sights on becoming the global industry leader. It's what you'd expect from the most sustainable paints company, which has been inventing the future for more than two centuries.

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Remarks:

1. Unless otherwise stated, the standard testing methods are as per GB/T 13448- 2019; rating schemes of degradation of coats as per GB/T 1766-2008.
2. Test results may vary according to the substrates, pre-treatments and testing environments.
3. The parameters are based on our lab testing and practical experiments with qualified substrates to illustrate typical performance only. We will not be liable for any damages, losses or consequences beyond our control that the parameter sheet may lead to.
4. COILTEC®, FLEXIDURE®, POLYDURE® and SILKSTAR® are registered trademarks of AkzoNobel

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