

Suitable corrosivity categories/durability ranges

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Teknos paint system code	Low	Medium	High	Very high
P229i-C5/VH	Zn	Zn	Zn	Zn
P229j-C5/M	Zn	Zn		

P229i-C5 Very High
P229j-C5 Medium

**INFRALIT EP/PE 8087-30 & PE 8350-15
HOT-DIP GALVANIZED STEEL
Paint systems 140 µm**

2 29.05.2019

INFRALIT EP/PE 8087-30 / PE 8350-15 paint systems for galvanized steel consist of diverse types of paint chemistries.

Epoxy-polyester paints have by their nature good mechanical and corrosion protection properties. Polyester paints have good gloss and colour retention properties outdoors. Polyester series 8350-15 has also Qualicoat/GSB approvals for class 1 architectural quality product.

Teknos INFRALIT Powder Coating systems have been designed to fulfill the test methods and testing times defined for specific corrosivity category in ISO 12944-6, even though powder coatings are not covered by the standard.

Please consult TEKNOS representative for choosing the most suitable product.

Paint		P229i	P229j
INFRALIT EP/PE 8087-30	EP/PE	60 µm	-
INFRALIT PE 8350-15	PE	80 µm	60+80 µm
Total dry film thickness		140 µm	140 µm
Paint system VOC*, g/m ²		0	0

*Teknos powder coating products are solvent-free. However, they might contain some volatile organic compounds as residuals from additives, though the quantities are very low.

Example of paint system structure
P229i-C5/VH - EP/PE 8087-30 60/1 + PE 8350-15 80/1 - Zn*SaS

*Other recommended galvanizing method is aluzinc. Electro galvanization is not recommended.

These Teknos painting systems have been tested in accordance with ISO 12944:2017-2018 standards. In order to reach the durability ranges in specified corrosivity categories, care must be taken to ensure full compliance of steel construction design, steel prework and surface preparation quality with ISO 12944 standards.

Surface preparation Remove from the surfaces any contaminants that might be detrimental to surface preparation and painting. Remove also water-soluble salts by using appropriate methods.

Steel surfaces: Hot-dip galvanized steel structures that are exposed to atmospheric corrosion can be painted if the surfaces are sweep blast-cleaned (SaS) till matt all over. Suitable cleaning agents are, e.g. aluminium oxide and natural sand.

For more detailed information about the above-mentioned products please see individual product data sheets.