

Suitable corrosivity categories/durability ranges
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| Teknos paint system code | Low | Medium | High | Very high |
|--------------------------|-----|--------|------|-----------|
| P219a-C5/H | X | X | X | |
| P219f-C5/H | X | X | X | |
| P219g-C5/VH | X | X | X | X |

P219a-C5 High
P219f -C5 High
P219g-C5 Very High

INFRALIT EP/PE 8086-05

Paint systems 160 µm & 180 µm

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INFRALIT EP/PE 8086-05 paint systems consist of two different paints where the primer is a zinc epoxy-polyester paint containing 75-50 % zinc by weight in the dry film.

Paint systems, containing INFRALIT EP/PE 8086-05 primer, give excellent corrosion protection properties. Topcoats for these corrosivity categories can be chosen from epoxy or polyester chemistry.

The epoxy topcoat is designed for heavy industrial use where UV resistance is not needed. Where outdoor durability and UV resistance is expected, it is recommended to use the polyester topcoat.

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.

| | | EP- topcoat | PE- topcoat | PE- topcoat |
|-------------------------------------|--------------|----------------|----------------|----------------|
| Paint | | P219a | P219f | P219g |
| INFRALIT EP/PE 8086-05 | EP/PE | 60 µm | 60 µm | 80 µm |
| INFRALIT EP 8026-00 | EP | 100 µm | - | - |
| INFRALIT PE 8350-15 | PE | - | 100 µm | 100 µm |
| Total dry film thickness | | 160 µm | 160 µm | 180 µm |
| Paint system VOC*, g/m ² | | 0 | 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 |
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| P219a-C5/H - EP/PE 8086-05 60/1 EP 8026-00 100/1 - FeSa 2½ |

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: Remove mill scale and rust by blast cleaning to preparation grade Sa 2½ (standard ISO 8501-1).

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