

ANTICORROSION SYSTEM

NEOTEC® AC



Description

Neotec AC anticorrosion powder coating systems offer outstanding durability and are based on the low-bake, zinc-free NEOKEM Epoxy Primer E20/PR and all outdoor NEOKEM topcoats.

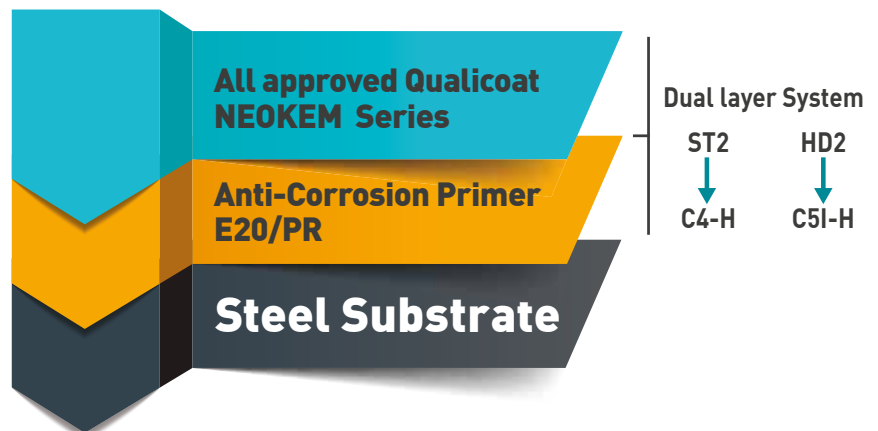
A. Qualisteelcoat & QIB approved Systems

- C4-H Corrosivity Category for Iron phosphated, Zinc Phosphated and Grit or Shot blasted steel substrates.
- C5I-H Corrosivity Category for Hot-Dip Galvanized (HDG) substrates.
- Based on the zinc-free formula of E20/PR and all Qualicoat approved topcoats, **Neotec AC** corrosion protection systems ensure the ultimate anticorrosion protection, end-product life cycle and environmental responsibility.
- All Qualicoat benefits, using Qualicoat approved NEOKEM topcoats.

Fields of use

- › Transportation
- › Architectural metallic structures
- › Bridges
- › Agricultural equipment
- › Fences

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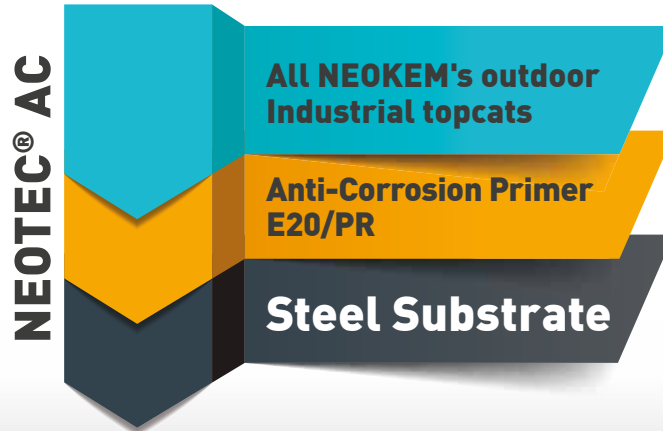


B. Industrial Systems

- Excellent anticorrosion protection with all Neokem's outdoor industrial topcoats.
- Anticorrosive powder coating systems **Neotec AC**, provide the highest corrosion protection even under aggressive environments C5I according to ISO 12944, when used on a **HDG steel** surface preparation, or C4 environments for Iron phosphated, Zinc Phosphated and Grit or Shot blasted steel substrates.

Fields of use

- › Industrial Machinery
- › Agricultural equipment
- › Fences
- › Transportation
- › Electrical Panels



General Features

- Environment friendly. Zinc Free – No VOCs
- Economy. 34% more m² / Kg *
- Excellent anticorrosion efficiency
- Excellent performance and protection
- Easy application. Better transfer efficiency *
- Better coverage of difficult areas
- Less wear on equipment. Less abrasive powder *
- Superior durability
- Improved productivity. Fast Curing, less cost -especially in large and heavy parts
- Less energy consumption – Less temperature cure starting from 10' at 140° C
- Very good storage stability

*Compared to Zinc rich primers

Substrates

- Steel, Iron phosphated
- Steel, Zinc phosphated
- Steel, Grit or Shot blasted
- HDG

Targeted Durability According to ISO 12944 Corrosivity Categories

Substrate	Surface preparation	Coating microns	T.C.	C2			C3			C4			C5-I		
				L	M	H	L	M	H	L	M	H	L	M	H
Steel	1	70-100	80	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Steel	2	70-100	80	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Steel	3	70-100	80	✓	✓	✓	✓	✓	✓	✓	✓	✓			
HDG	4	70-120	80	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Remove rust, scale, grease, oil, dust etc.

1. Iron Phosphating plus passivation Qualisteelcoat
Appr. No.: PE-0078, QIB-0033

2. Zinc Phosphating plus passivation Qualisteelcoat
Appr. No.: PE-0079, QIB-0034

3. Grit or Shot blast: Sa 2 ½ (ISO 8501-1),
Surface Roughness: 50-80 µ
Qualisteelcoat Appr. No.: PE-0080, QIB-0035

4. Sweeping of zinc substrate in accordance with
EN 15773, loss not more than 10% of the zinc layer
thickness
Qualisteelcoat Appr. No.: PE-0087, QIB-0041