Three steps to optimal protection

In the norm DIN 55633 (2009), all the aspects that are significant for appropriate corrosion protection with powder coating systems were taken into consideration. It has supplemented the norm DIN EN ISO 12944, which only deals with protection by means of liquid coating systems and is closely related to it. Both norms characterise the atmospheric surroundings in terms of corrosion categories based on mass loss information of uncoated steel within the first year of weathering. To select the right powder coating system, follow the 3 steps found below the table.

Note

- The single-layer IGP interior and exterior qualities may be used to cover the minimal demands in accordance with corrosion category C2.
- We recommend a chemical pre-treatment (phosphating or organic silicon) for zinc-plated surfaces.
- We generally recommend the V-version IGP-KORROPRIMER 1001 and the IGP-KORROPRIMER 1809 (low-temperature powder) plus an IGP top coat for spray-galvanised components.
- Zinc phosphating with IGP powder coating solutions meet the requirements of the C4 corrosion category.

Names of IGP coating systems

- Top coat outdoor area
  - IGP-DURA®/face
  - IGP-DURA®/van
  - IGP-DURA®/cryl
  - IGP-DURA®/pol
- IGP-HYVF
- IGP-DURA®/vent
- IGP-URBAN®/clean

Top coat indoor area

- IGP-DURA®/pol
- IGP-DURA®/cryl
- IGP-DURA®/face
- IGP-DURA®/pol
- IGP-URBAN®/clean

IGP-KORROPRIMER systems

- 10 primer for iron and steel substrates
- 10V primer for galvanised substrates
- 18 low temperature powder
- 30 primer for aluminium substrates
- 60 primer for iron, steel and aluminium substrates

Table for the selection of the optimal coating system

(_In accordance with DIN 55633 and DIN EN ISO 12944-1_)