



Good2know

Tuesday

GOOD2KNOW – 17/11/2015
Process Instructions

Good2know that... in some cases it is advised to coat your object with multiple layers.

Although in these fast-paced times of doing business, time is key, there are cases in which we advise to work with a multiple coating layer system as the effect and durability will outscore the initial economic decision on the longer run.

➤ **Higher layer thickness**

In order to protect your object from UV influences, using a second layer clear topcoat can help. Applying a thicker coating also takes aggressive elements away from the metal surface. In extremely aggressive environments, such as industrial and marine environments, multiple layers give better protection against filiform corrosion.

➤ **Protection of coatings with metallic pigments**

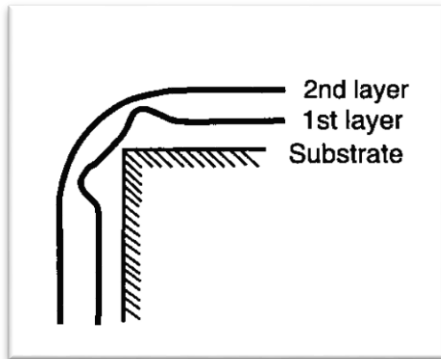
Some metallic pigments in powder coatings are sensitive to discolouring caused by external influences of pollution in the atmosphere, moisture, sand and guano. Without a topcoat the metallic pigments would oxidize. Objects, such as a chair or handrail, intensively exposed to abrasion and/or humidity, are better protected by a supplementary transparent powder coating.

➤ **Better corrosion protection**

- In order for a metal substrate to optimally resist corrosion, a two-coat system can be applied (see article Good2Know 29/09/2015).

➤ **Better edge covering**

Whereas a first layer does not give sufficient protection at the edges (especially at sharp edges), a second coating will provide an extra protective layer.



➤ **Alternative for metallization**

On steel objects, shot blasted at Sa 2½, a first layer (40-50µm) of zinc rich powder primer can be applied. This primer is an alternative for a metallization pretreatment (a polyester finishing coating can be combined with this primer).

For more questions and information, we are at your service!

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