

Processing of TitanShield®-products



Surfaces that shall be coated have to be free of dirt, dust and grease. Residua of silicone have to be removed by an adapted cleaner before application. On all even, polished and shining surfaces the application occurs with the established HVLP-technique.

On absorbing, raw and porous surfaces the liquid can also be sprayed, painted or rolled. Applications with dipping-technique are possible as well. In this case pay attention that the recommended application quantities will be kept.

The exact application quantity depends on environmental conditions as there are wind, tools, temperature and humidity. In case of exceeding the recommended maximum of coating the application might leave a visible light grey film on the surface.

Instruction on Application



Preparation:

Surfaces that shall be coated have to be free of dirt, dust and grease. Residua of silicone have to be removed by an adapted cleaner before application. If possible pre-clean window panes with an abrasive (e.g. NADICO NR1304).

Manual application:

On all even, polished and shining surfaces the application should occur with the established HVLP-technique. Basically this manner of application is suited for all kinds of surfaces. On absorbing, raw and porous surfaces TitanShield® also can be sprayed, painted or rolled. Applications with dipping-technique are possible as well. In this case pay attention that the recommended application quantities will be kept.

Utilisation of primer:

Primer are used to improve the adhesive strength of a TitanShield-coating and defends the surface from damages by the photocatalysis. In case of using primer half of the material can be replaced by it. In that case two coats primer and two coats active material have to be applied. The primer always has to be applied first!

Application quantities:

Please find the exact application quantity in the data sheet "application quantities". It depends on environmental conditions as there are wind, temperature, humidity or the used tool. The data in the column "medium" are intended as a guidance when application occurs manually. The minimum quantity can be reached when conditions during the application are very controlled (e.g. industrial application). In case of exceeding the recommended maximum of coating the application might leave a light grey but visible film on the surface.

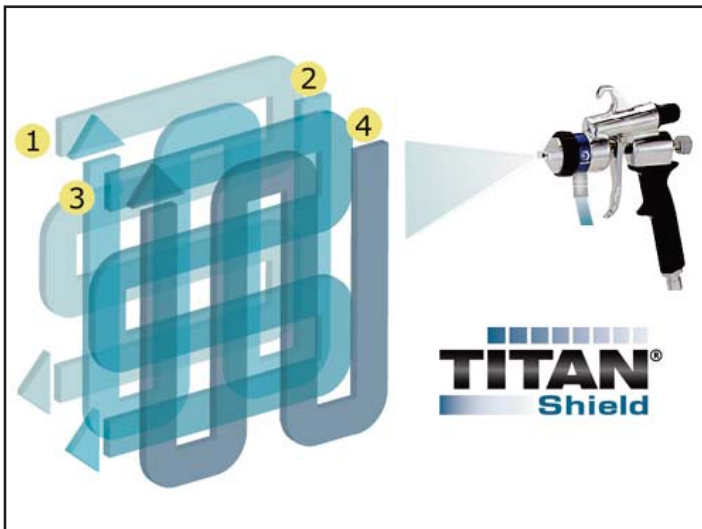
Drying:

Please gather the respective drying times from the actual product-data-sheets. As a basic principle the drying process will be shortened by the supply of heat. The coating achieves the final hardness depending on the product after 14 up to max. 60 days.

Industrial application

In case of an industrial application the consumption values of the column "minimum" are valid. Due to its minimal loss of overspray an application with the HVLP-technique is recommended here too.

Basically the drying process will be shortened significantly by the supply of heat as well with industrial application. With most products, a high-drying temperature up to 600°C is possible.



Spray technique:

Application with HVLP-technique occurs in cross-coat in up to four worksteps. The recommended application quantity should be divided on the worksteps.

