

## COATING TYPES

The rapid developments in the coating materials in the recent years are presented with quality advantages and high performances in the organic coatings. The layer consisting of the composition of the galvanized coating and organic coating consisting of the panel metal surfaces especially increase the life of the material by presenting ideal solution in the corrosion resistance especially. The thickness of the sandwich panel metal surfaces facing the outside depending on the corrosion type and level are 45 µm (25 µm organic coating plus 20 µm galvanized coating); however it may increase up to 300 µm. In addition to this, these coatings should provide UV proofing, chemical effect, ambient effect, humidity, and physical effects.

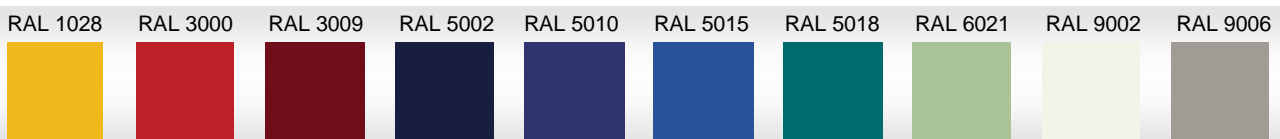


In addition, the wide color range presented by the organic coatings provides serious design advantages in the architectural solutions. The coating materials are divided into three groups: liquid coating, film coating, and dust coating. Galvanized sheet and final layer in various qualities and colors used on the aluminum are preferred in accordance with the usage places and expected properties.

### Polyester

The high resistance high flexibility and heat balance are provided against the external ambient conditions. It is the most widespread painting type. It may be used in the inner and external ambient.

#### Polyester coating color options:



### Polyurethane

The excellent surface rigidity is provided with polyamide support. High resistance is provided against the scratch and stains. It is suitable for deep drawing and twisting. It may be used in internal and external ambient in accordance with the different purposes.

### PVdF

The resistance against external environment, high corrosion resistance, and durability against the chemical oils are provided. It provides high resistance against chemicals and UV ray proofing. The durability of the color and brightness resistance is the highest coating type. It may be used in the Prestigious structure roof and siding.

### Plastisol

It has the excellent forming ability. It is resistant against humidity and wear, and it is suitable for usage in the foods. It provides with superior performance in the wet climate conditions.

### PVC Film

It is applied with lamination method. It is suitable for formation and flexibility. It is preferred for the applications suitable for food regulations due its hygienic and easy cleaning feature.

### Paint Properties

Paint	Approx.Thickness	Heat Resistance
Polyester	20 μ	120 °C
PVdF	27 μ	120 °C
Plastisol	100 - 200 μ	60 °C
PVC Film	200 μ	60 °C
Polyurethane	50 μ	80 °C
Backcoat	10 μ	120 °C