



METALCOLOUR PAINTED

APPLICATIONS

Steel and aluminium can be painted with different paint systems. We are offering, smooth polyester paint in different gloss-grade from 10-90 % measured in Gardner 60°. We also offer textured polyester paint in gloss-grade 5-30 % Gardner 60°. We can also offer polyurethane paints with almost the same characteristic.

PRODUCT DESCRIPTION

Polyester and polyurethane paint is normally supplied in layer-thickness of 20-25µm.

On request, systems with higher or lower layer-thickness can be offered.

The reverse side has as standard a primer coating, suitable for gluing and foaming.

Metalcolour Painted can be delivered with a strippable protective film on request.

RESISTANCE TO CHEMICALS

Metalcolour Painted has a good resistance to chemicals. However, there are exceptions e.g. certain organic solvents such as aromatics, ketones and chlorinated hydrocarbons.

CLEANING & MAINTENANCE

The surface should only be cleaned with mild detergents, persistent stains is normally removed using white spirit. After cleaning the surface must be rinsed with fresh water. If alkaline detergents are used, the life of the product will be shortened.

STORAGE AND HANDLING

Care should be taken to avoid damage to the coating during manufacture and installation. Scratches and handling damage that cause the coating to be removed, should be repaired,

Outdoor storing of the material should be avoided.

However, if such storage is not avoidable, the material should be satisfactorily covered and should be stored in such a manner that will ensure good air circulation, in order to avoid the accumulation of moisture.

ENVIRONMENT

Metalcolour continues to commit significant resources in order to ensure that our processes are increasingly environmentally friendly. The production and painting are performed under controlled conditions. More than 99% of the emissions from our coating processes are recovered and incinerated. The resultant heat is recycled to the paint curing process. Pre-painted metal can be recovered at the end of its life cycle and represents an important raw material in the production of new metal by remelting. In this melting process, the emissions caused by the coats are removed. Pre-painted metal should be collected as all other metal sheet, through the normal scrap recovery channels.

TECHNICAL SERVICE AND INFORMATION

Dimensions and tolerances in the data sheet are standard. Other requirements available on agreement.

PROPERTIES

| Specification | Data | Test method |
|--------------------|--------------------------------------|-------------|
| Coating thickness | 5 – 200 µm depending on paint system | EN 13523-1 |
| Min bending radius | 0,5 T* depending on paint system | EN 13523-7 |
| Adhesion | Depending on paint system | EN 13523-6 |

*T is the metal sheet thickness.

COILS

| Specification | Thickness (mm)* | Max width (mm) |
|-----------------|-----------------|----------------|
| Steel (HDG-CRS) | 0.25 – 0,70 | – 850 |
| | 0,71 – 1,00 | – 700 |
| | 1.01 – 1.25 | – 600 |
| Stainless steel | 0.20 – 0.40 | – 850 |
| | 0.41 – 0,70 | – 800 |
| | 0.71 – 1.00 | – 700 |
| Aluminium | 0.40 – 1.00 | – 850 |
| | 1.01 – 1,25 | – 700 |
| | 1,25 – 2,00 | – 600 |

* Other thickness can be available on request

TOLERANCES, STEEL/ALUMINIUM

| Thickness* (mm) | Tolerance (± mm) |
|------------------------------|--|
| 0.50 – 0.60 | 0.06 |
| 0.61 – 0.80 | 0.07 |
| 0.81 – 1.00 | 0.08 |
| 1.01 – 1.20 | 0.09 |
| 1.21 – 1.50 (Alu: 1.21-2.00) | 0.13 |
| Width* (mm) | –0/+6 (narrow tolerance available on request) |

* According to SS – EN 10 143 (steel). According to EN 485 (aluminium).

Flatness: 5 mm standard deviation.

Straightness: 5 mm maximum deviation on a gauge length of 2000 mm.

Squareness: The squareness is expressed as the maximum allowable difference in length of diagonals. 3 mm up to length of 3000 mm.