

METALLEMPORIKI Th.MAKRIS S.A.

Mineral wool & polyurethane PUR/PIR sandwich panel
and metal profile manufacturing & production Industry

pre-painted metal
sheets color coatings

" have you ever imagined our life
without colors? "

Metal sheet color coatings**Standard Colors**

The color shades below correspond to the original ones, although there may be some variations due to the different digital displays (monitors) and different printing equipment (printers).

 RAL 1013	 RAL 1014	 RAL 1015	 RAL 1023
 RAL 2008	 RAL 2013	 RAL 3005	 RAL 3009
 RAL 3011	 RAL 3013	 RAL 3020	 Greek Red
 RAL 5005	 RAL 5010	 RAL 5015	 RAL 5024
 RAL 6002	 RAL 6005	 RAL 6011	 RAL 6021

Metal sheet color coatings

Standard Polyester paints are the most common and the most economical coatings. They are suitable for both external and internal surfaces. Commonly used in all building constructions located in the mainland (1000m from the coast line) in normal environmental conditions (not corrosive atmospheres with non or low air pollution). They have a very good resistance to external weather conditions. Their surface is smooth and produced in nominal coating thickness up to $20 \pm 5 \mu\text{m}$.

RAL 7004

RAL 7015

RAL 7016

RAL 7030

RAL 7035

RAL 7036

RAL 7037

RAL 7040

RAL 7042

RAL 7044

RAL 7045

All standard polyester colors are **usually available** in stock. Please contact our sales department and ask for the size and metal sheet thickness availability in a color variety.

RAL 8004

RAL 8014

RAL 8017

RAL 8019

RAL 9002

All building construction products need a systematic inspection and scheduled maintenance to ensure the product functionality and to keep the performances by the time. As described in the product instruction, all appropriate measures shall be taken to prevent any damages to the coating, during handling, storage and installation. It is important to remove the protective film, if any, immediately on delivery. Any scratches should be restored as soon as possible to prevent any surface corrosion. Any obstacles to the rain water flow should be removed. Do not install the panels, using incompatible materials. The design and the construction of the building should not cause any accumulation of water or debris

Metal sheet color coatings

Black & White shades

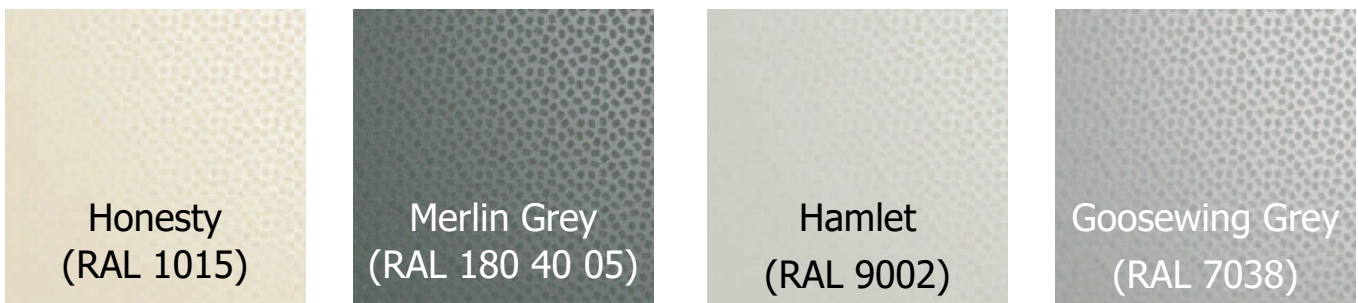
The following classic polyester shades of gray as well as the classic white and black are suitable for both external and internal façades.



Premium Colors

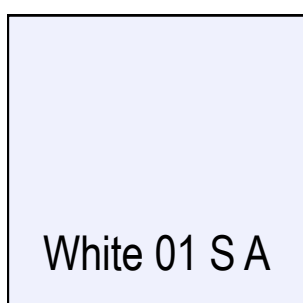
Durable Plastisol paints are very durable to external weather conditions, where the environment is aggressive and highly polluted.

Due to their "self-healing" properties they are suitable for outdoor applications where the durable requirements are high and may be exposed to mechanical damages. The surface looks like orange peel and the nominal coating thickness is up to 200µm.



High req PVDF paints are suitable for buildings of architectural applications where the texture and color conservation are important. They are very durable and also their reaction to fire is excellent because of the limited smoke production, **class S1**. The surface is smooth and the nominal coating thickness is up to 50µm.

High Hygiene req PVC paints are suitable for high hygiene requirement constructions, where the profile may be in contact with food. The white color surfaces are smooth and the nominal coating thickness of 120µm offers excellent antibacterial protection.



Subject to the conditions and restrictions of the warranty on the various products, our products do not undergo any perforations due to oxidation, proliferation of corrosion, color coating delamination and peeling from the cut edge over a distance of 10mm.

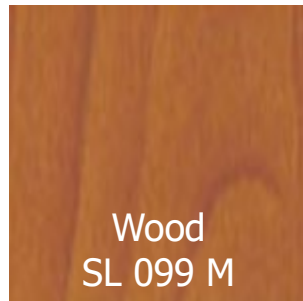
The aesthetic properties of the products (color and brightness) are guaranteed for a uniform ageing of the color for the same exposure and the same façade. For further details please contact our sales department.

Metal sheet color coatings

Simulation colors

The following special shades simulate wood, stone or slate surfaces. They are suitable for both external and internal façades depending on the coating.

Wood printing



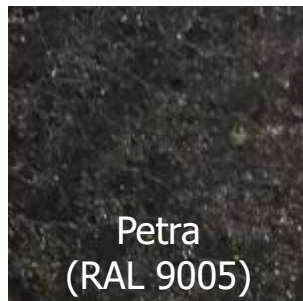
These architectural color coatings (such as VAR HD) are a perfect simulation of wood that visualize the effect of wooden surfaces. They are suitable for internal use. The surface is smooth and the nominal coating thickness is up to $20 \pm 5 \mu\text{m}$.

Stone printing



These architectural color coatings (such as VAR HD) are a perfect simulation of stone that visualize the effect of stone wall. They are suitable for internal use. The surface is smooth and the nominal coating thickness is up to $20 \pm 5 \mu\text{m}$.

Slate simulation



These architectural color coating (such as PETRA 9005) that visualize the effect of slate surfaces, are not only a printing but also a perfect simulation of a slate rock surface. They are suitable for external and internal use. The surface is iridized with terrain feeling. The nominal coating thickness is up to $45 \pm 5 \mu\text{m}$.

Protection coatings

All pre-painted steel sheets are galvanized protected against corrosion. Usually are hot dip zinc coated with a Zn coating from 100 to 350 g/m² on both sides.

Also there are available steel sheets with hot dip AluZinc coating from 70 to 150 g/m² on both sides and steel sheets with hot dip AluMg from 100 to 150 g/m² on both sides with excellent corrosion resistance .

Finally the steel without color coating are protected against corrosion, except from the previous methods, with hot dip AluMgZn on both sides with excellent corrosion resistance .

Manufacturers of Cladding Products for the Construction Industry

METALLEMPORIKI
TH. MAKRI S.A.

6th km Larissa - Sikourio, Larissa P.C. 41004 / 9th km Larissa - Agia, Larissa P.C. 40009 / Hellas P.O.Box 3107

+30 2410 575 207

+30 2410 575 206

sales@metallemporiki.gr

www.metallemporiki.gr