

Low Cure OGF Primer

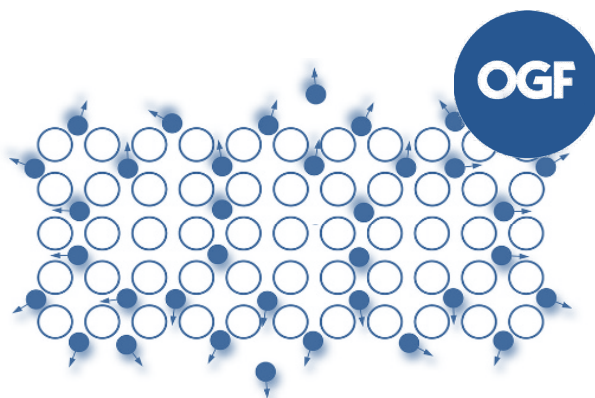
RIPOL PRIMER OGF LOW CURE

Anticorrosive low cure primer for direct application on porous metal substrates subject to outgassing

Very often, the application of powder coatings on porous metal substrates requires preheating the part to a temperature approximately 20°C higher than the temperature recommended for the finishing coat, in order to allow the gases trapped in the substrate to escape.

With RIPOL PRIMER OGF, this preliminary step is no longer required: porous substrates can be coated directly without preheating.

The special formulation of RIPOL PRIMER OGF allows the cross-linking of the coating film to be delayed, **reducing** to a minimum the formation of **craters, pinholes and air bubbles** on the coating surface caused by gases or moisture released from porous substrates during the curing process.



RIPOL PRIMER OGF belongs to a new generation of powder primers specifically designed for outgassing-prone substrates which, thanks to their low curing formulation, can be polymerized from 160°C, ensuring energy savings and increased productivity when coating heavy and large components.

The formulation also allows thin sheets and heavy supports to be coated simultaneously while maintaining colour and finish uniformity.

To meet the different aesthetic and functional requirements of the final coating, **RIPOL PRIMER OGF** is available in the following variants:

- **G698 – Grey RAL 7038** – stock product
- **H643 – Grey RAL 7016**
- **H625 – Grey RAL 7035**
- **H109 – Black RAL 9005**
- **H586 – White RAL 9016**
- **H586 - Bianco RAL 9016**

Main features

- Excellent substrate outgassing properties
- Preheating before powder coating not required
- Energy saving – Low curing (from 160°C)
- Easy application
- Excellent levelling
- Good chemical resistance
- Excellent adhesion to substrate and between layers
- Easy overcoating
- Zinc-free

Compatible substrates

All porous metal substrates, in particular:

- HDG – Hot-dip galvanized steel
- Cast steel and aluminium
- Zamak
- Zinc electro-plated steel
- Zinc spray processed steel

Application areas

- Fences
- Garden furniture
- Urban furniture
- Lighting systems
- Agricultural machinery
- Steel constructions

Anticorrosive performance

Corrosivity class C5-H - according to tests required by EN ISO 12944-6

Salt spray test according to ISO 9227: 1440 hours

Substrate: hot-dip galvanized steel, mechanically pretreated (removal of a light zinc layer)

Coating system:

- RIPOL OGF Primer: thickness 60–80 µm, curing 160°C / 10 min
- RIPOL Series 58L Topcoat: curing 180°C / 15 min

Final coating thickness: 140–160 µm

Corrosivity class C4-H - according to tests required by EN ISO 12944-6

Salt spray test according to ISO 9227: 720 hours

Pretreatment of steel and cast iron:

- Mechanical: blasting Sa 2.5
- Chemical: degreasing, phosphating, passivation, final rinsing and drying (or alternative processes)

Coating system:

- RIPOL OGF Primer: thickness 60–100 µm, curing 160°C / 10 min
- RIPOL Series 58L Topcoat: thickness 70–90 µm, curing 180°C / 15 min

Per ottenere risultati ottimali, il primer deve essere applicato entro 24 ore.

For optimum results, the primer must be applied within 24 hours.

Please refer to the product data sheet for complete information.



ENVIRONMENTALLY FRIENDLY

RIPOL powder coatings are eco-friendly, do not contain any solvents and no Volatile Organic Compounds (VOCs) are released into the air. In addition, all our products are heavy metal-free.

