

# Technical Data Sheet



## Product Description

PowderGalv® is a high performance powder coating developed exclusively by DuPont Coating Solutions using quality resin technology proven in the pipe coating market.

PowderGalv® has excellent mechanical and chemical resistance and is particularly suitable for environments requiring outstanding anti-corrosion properties.

## Products

**PowderGalv® High Gloss Metallic**

**Packaging:** 20 kg in plastic bag and cardboard box.

## Approvals

This powder coating complies with the European Directive RoHS n° 2002/95/CE dated January 27, 2003

## Colours

RAL9022  
RAL3000

## Substrates

Shotblasted pipe and associated products used in the water sprinkler market

## Substrate Preparation

Shotblasting

## Physical Properties

Specific Gravity	1.59
Particle Size distribution	100 % < 160 microns, adaptable to specific installation requirements
Fluidity	120 – 160

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Product Performance / Film Properties			
CONDITIONS			
Steel panels:	0.8 mm		
Surface pretreatment	Shotblast		
Film thickness	60 µm +/- 10		
Curing Conditions	5' @ 200°C (object temperature)		
TESTS	SPECIFICATIONS		HIGH GLOSS
	N°	DATES	
Adhesion	EN ISO 2409	1994	Class 0
Erichsen	EN ISO 1520	2001	≥ 8 mm
Cylindrical flexibility	EN ISO 1519	2002	≤ 3 mm
Impact resistance	EN ISO 6272	2004	≥ 1 kg / 50 cm
90 day immersion test HCL in H <sub>2</sub> O* 10%NaCl, H <sub>2</sub> SO <sub>4</sub> in H <sub>2</sub> O* 10% NaCl in H <sub>2</sub> O* Distilled water 5% NaOH in H <sub>2</sub> O* MgCO <sub>3</sub> /CaCO <sub>3</sub> in H <sub>2</sub> O*  *Distilled water			Up to 2000 hours depending on substrate and surface treatment.  No blistering No blistering No blistering No blistering No blistering No blistering

Baking Window
<b>General curing conditions : PowderGalv High Gloss Metallic</b> <ul style="list-style-type: none"> <li>Object t° / time 5 minutes @ 200°C</li> </ul>

Application
<ul style="list-style-type: none"> <li>Do not mix this product with another powder.</li> <li>Substrate should be correctly cleaned before use.</li> <li>Application using either manual or automatic electrostatic CORONA guns.</li> <li>The majority of our products can be applied using the TRIBO electric process. (Please contact us for specific products)</li> </ul>

Comments
<ul style="list-style-type: none"> <li>Certain chemicals or domestic cleaning products can cause superficial modifications of the coating's decorative appearance. We advise you to systematically carry out preliminary test.</li> </ul>

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### Storage Stability

**12 months @ 35°C max**

Shelflife applicable to materials stored in closed plastic bags and in dry and cool conditions i.e. temperatures below 35°C

### Safety

Consult the Safety Data Sheet prior to use

*The information provided herein corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.*

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