

## Body coating overview

This document encompasses the most standard types of body coatings applied to InterApp butterfly valves, highlighting the crucial role these coatings play in enhancing performance and durability. In addition to the standard offerings, InterApp's extensive experience and knowledge enable us to provide custom coatings upon request.

To maintain the highest quality standards, our meticulous quality control measures involve various tests, including adhesion and pull-off assessments, guaranteeing that coatings are always applied under optimal conditions. Furthermore, our NACE certified quality inspector oversees the process, ensuring that valve coatings consistently meet the highest standards of quality.

Code	Product	Paint system	Thickness (µm)	Max. Temp	Corrosion	Durability	Color	Butterfly Valve	Environmental suitability	Remarks
R	Epoxy	Fluidized bed	200	110°C <sup>1</sup>	C5	High > 15-25 years	RAL-5021	Desponia® < DN400	Industrial areas with high humidity and aggressive atmospheres. Marine, estuaries, coastal areas with high salinity	High quality thermosetting epoxy powder coating. The product used fulfills the stringent requirements of GSK. No VOC's or heavy metals
E	Epoxy/ Polyurethane	Spray gun	80	140°C	C2 <sup>2</sup>	Low ≤ Up to 7 years	RAL-5021 <sup>4</sup>	Desponia® > DN400, Desponia® Plus	Interior buildings with neutral atmosphere and buildings where condensation may occur. Rural areas with low pollution	Combination of polyamide-adduct cured epoxy paint, and acrylic polyurethane enamel paint. Low VOC's content
	Epoxy	Electrostatic powder / Spray gun	80	140°C	C2 <sup>11</sup>	Low ≤ Up to 7 years	RAL-5021 <sup>4</sup>	Bianca		
N	Epoxy / Polyurethane	Spray gun	250	140°C	C4	Medium = 7-15 years	RAL-5021 <sup>4</sup>	Desponia® > DN400, Desponia® Plus, Bianca	Industrial and coastal areas with medium salinity. Industrial processing plants with medium aggressive atmospheres	Combination of polyamide-adduct cured epoxy paint, and acrylic polyurethane enamel paint. Low VOC's content
M	Epoxy / Polyurethane	Spray gun	330	110°C	C5	High >15-25 years	RAL-5021 <sup>4</sup>	Desponia® > DN400, Desponia® Plus, Bianca	Industrial areas with high humidity and aggressive atmospheres. Marine, estuaries, coastal areas with high salinity.	Two-component polyamide adduct cured, high solids, high build epoxy paint.
Y	Epoxy	Spray gun	200	50°C <sup>3</sup>	N/A	N/A	Red brown	Desponia® > DN400, Desponia® Plus	N/A	Coating used mainly for the use in potable water. Coating approved by ACS.

1) For temperatures between 110 and 140 °C, the valve is only tight up to next lower pressure class (e.g. PN16 valve, max. 10 bar)

2) Information based in experience, but not according the tables of the EN 12944-5

3) Maximum service temperature for the valve immersed in water

4) Other RAL under request

Corrosion protection of steel structures by protective paint systems acc. EN ISO 12944-5.

The atmospheric conditions are defined acc. ISO 12944-2 and divided in the 6 categories for atmospheric environments:

C1 very low | C2 low | C3 medium | C4 high | C5I very high | CX (extreme).

### Spray gun painting



### Fluidized bed, removing of extra powder

