

# Product Data Sheet

## Flovel Series 8

### Product Description

Flovel Series 8 is based on a new generation polymer binder technology, designed to provide optimum balance of economic and aesthetic performance.

Flovel Series 8 offers excellent mechanical and chemical performance with good colour stability during curing. In addition, Flovel Series 8 has the capability to be custom-designed as a finish with superior flow and hiding when compared to traditional epoxy-polyester hybrid powder coating systems.

### Application Areas

Flovel Series 8 is suited for coating of a wide assortment of applications where the best balance of technical performance, appearance and material cost is in focus. These applications are typically consumer goods, domestic appliances, home, office and workshop furniture, industrial racking systems, shelves, cabinets, lockers, etc. Flovel Series 8 is also suitable for other steel objects.

Flovel Series 8 is recommended for interior applications, primarily on ferrous substrates. Special formulations are available or custom-made to meet the requirements for low surface friction, thin film, porous substrates and other special applications.

### Pre-treatment

The overall quality of the coating system is largely dependent on the type and quality of the pre-treatment. The recommended types of pre-treatment for the most frequently used substrates are:

Aluminium	Chromate conversion
Steel	Zinc phosphate
Zinc coated steel	Zinc phosphate or chromate conversion
Final rinse (deionised)	The last running water from the object should be tested at 20°C. The readings obtained should measure below 30µS/cm.

### Curing Schedules

Flovel Series 8 can be formulated for curing temperatures from 180 to 200°C object temperature. For detailed information please contact a technical or sales representative at Jotun Powder Coatings.

### Colour Selection

Flovel Series 8 can be custom-made in an assortment of white, light grey and pastel colours. For availability of other colours, please contact your local Jotun Powder Coatings representative.

### Finish

Flovel Series 8 is available in smooth finishes. The smooth finish is available in a gloss range from 20 to 95 (angle 60° measured according to EN ISO 2813).

### Powder Application

Flovel Series 8 is available for Corona or Tribo charging equipment.

### Storage Conditions

Keep in a dry cool area. Maximum temperature 25°C. Maximum relative humidity 60%.



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## Technical Data

The technical data provided below are typical for Flovel Series 8 applied to 0.8 mm zinc-phosphated cold rolled steel panels (60 micron film thickness). Typical values when tested have not necessarily been recently revised. Values may vary with colour and gloss level.

Description	Norm	Flovel Series 8
Adhesion	EN ISO 2409 (2mm)	Cross-cut rating Gt0 (100% adhesion).
Impact resistance	ASTM D 2794 (5/8" ball)	Most grades exceed 60 inch-pounds without film cracking.
Cupping test	EN ISO 1520	Most grades exceed 5mm without film cracking.
Flexibility	EN ISO 1519	Cylindrical Mandrel bend test, 3-12mm without film cracking.
Film hardness	EN ISO 2815	Indentation resistance according to Buchholz: > 80.
Salt spray resistance	ASTM B 117	Excellent. Measured with respect to blistering and adhesion loss after 1,000 hours.
Resistance to humid atmospheres	DIN 50017	Excellent. Measured with respect to blistering and adhesion loss after 1,000 hours.

**Note:** The information on this Product Data Sheet is given to the best of the manufacturer's knowledge, based on laboratory testing and practical experience. However, as the product is often used under conditions beyond the manufacturer's control, only the quality of the product itself can be guaranteed. Jotun Powder Coatings reserves the right, without notice, to alter or change the content of this Product Data Sheet.