

# Product Data Sheet

## Jotun Super Durable Series 2908

**Product Description** Jotun Super Durable polyester TGIC-free powder coatings Series 2908 are especially formulated to satisfy the highest requirements of the building industry for aesthetic performance, UV light resistance and humidity resistance. Their outstanding gloss retention and resistance to colour change properties are combined with optimum functional properties to ensure the highest levels of protection.

**Application Areas** Jotun Super Durable Series 2908 are highly recommended to meet gloss retention and colour stability requirements.

Primary areas of application are architectural aluminium extrusions and claddings. The overall excellent properties and attractive appearance of Jotun Super Durable Series 2908 make it suitable for application to other ferrous and non-ferrous substances.

When screen printing or sealants are used, it is advised to run separate trials to ensure compatibility and to meet the required performance criteria.

**Pre-treatment** The overall quality of the coating system is largely dependent on the type and quality of the pre-treatment. The recommended type of pre-treatment is:

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

Suitable chrome-free pre-treatments for Aluminium are also recommended. Due to the variety of chrome-free pre-treatments available today, only the approved systems from Qualicoat and GSB should be used. Detailed advice should be sought from the pre-treatment supplier.

**Curing Schedules** 15 minutes at 180°C object temperature  
10 minutes at 200°C object temperature

**Colour Selection** A selected range of RAL colours are available to order. In addition, Jotun Super Durable Series 2908 is available in the special colour collection ColourBeats, as well as the Cool Shades Collection - a selection of colours with heat-reflective properties. Other colours can be made available subject to technical appraisal.

**Powder Application** Jotun Super Durable Series 2908 are available for Corona or Tribo charging equipment

**Product Warranty** Jotun Super Durable Series 2908 are backed by a 25-year product warranty system when used on architectural aluminium substrates, subject to terms and conditions

**Storage Conditions** Keep in a dry cool area. Maximum temperature 25°C. Maximum relative humidity 60%. Under these mentioned conditions, product shelf life is 12 months from production date.

**Maintenance** Please refer to "*Powder Coated Façades' Maintenance*" document.

**Approvals** Please consult your local Jotun Powder Coatings' production unit.



## Technical Data

The technical data provided below are typical for Jotun Super Durable Series 2908 applied to 0.8 mm chromated aluminium panels (60 to 90 micron film thickness). Typical values when tested have not necessarily been recently revised.

Description	Norm	Series 2908
Gloss*	EN ISO 2813 (60°)	85 ± 10
Adhesion	EN ISO 2409 (2 mm)	Cross-cut rating Gt0 (100% adhesion).
Impact resistance	EN ISO 6272/ASTM D2794 (impactor diameter 15.9 mm)	Passes 2.5 Nm without detachment after tape pull test.**
Cupping test	EN ISO 1520	Passes 2 mm indentation without cracking. Passes 5 mm indentation without detachment after tape pull test.**
Flexibility	EN ISO 1519	Passes 12 mm cylindrical Mandrel bend test without cracking. Passes 5 mm cylindrical Mandrel bend test without detachment after tape pull test.**
Film hardness	EN ISO 2815	Indentation resistance according to Buchholz: >80.
Mortar resistance	EN 12206-1	The mortar must be easy to remove without leaving any residues.
Drilling, milling and sawing test		No flaking of coating.
Neutral salt spray resistance	ASTM B117	No blistering or lost of adhesion after 3,000 hours.
Humidity resistance containing SO <sub>2</sub>	EN ISO 3231 (0.2 l SO <sub>2</sub> )	No infiltration exceeding 1mm on both sides of the scratch after 30 cycles.
Humidity resistance	EN ISO 6270-2	No infiltration exceeding 1mm on both sides of the scratch after 3,000 hours.
Acetic acid salt spray resistance	ISO 9227	After 1,000 hours testing – maximum 16 mm <sup>2</sup> infiltration over a scratch length of 10cm.
Accelerated weathering	DIN EN ISO 11507 (UVA – 340)	Cycle: 8 hours at 60°C UV and 4 hours at 45°C condensation. No chalking, excellent gloss retention and colour stability after 3,000 hours testing.
Accelerated weathering	DIN EN ISO 11507 (UVB-313)	Cycle: 4 hours at 50°C UV and 4 hours at 40°C condensation. No chalking, excellent gloss retention and colour stability after 600 hours testing.
Natural weathering test	ISO 2810 (South Florida, 27°N)	No chalking, excellent gloss retention and colour stability after 36 months exposure (angle of 5° to South).
Total Solar Reflectance***	ASTM C 1549	Series 2908: TSR ≥ 0.25

\* If the significant surface is too small or unsuitable for the gloss to be measured with the glossmeter, the gloss should be compared visually with the reference sample (from the same viewing angle).

\*\* According to Qualicoat Class 2 test procedures.

\*\*\* Only applicable to Jotun Super Durable Series 2908 for the colours featured in the 'Cool Shades Collection'.

**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.

Jotun Powder Coatings. Revised December 2011.

THIS PRODUCT DATA SHEET SUPERSEDES ALL PREVIOUSLY ISSUED VERSIONS.