Technical Datasheet

INTERPON A5200

YN603GF

Product description

Interpon A5200 powder has an excellent line of coatings for truck components and answer to the requested performance level specified by the OEMs. Interpon A5200 exhibits good weathering resistance, good flow and degassing properties with eminent application efficiencies. They offer excellent corrosion protection, chemical resistance and are protective against chipping, hardened against scratches, but flexible enough to handle always changing environmental cycles.

Powder properties

	Typical value
Chemical Type	Polyester – TGIC Free
Appearance	Smooth Gloss
Color	RAL 9005
Density	1.25 - 1.35 g/cm³
Gloss (60°)	80 - 90 GU
Recommended film thickness	60 - 80 µm
Particle size distribution	Suitable for electrostatic spraying and for tribo (depending on equipment).
Curing schedule	15 min at 180°C (object temperature)

Pre-treatment

Steel surfaces to be coated must be clean and free from grease. For maximum protection it is essential to pre-treat components prior to the application of the Interpon A5200. Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance. Aluminium parts require a chromate or chromate-free conversion pre-treatment.

Application

Interpon A5200 powders can be applied by manual or automatic electrostatic spray equipment. It is recommended that for consistent application and appearance product be fluidized during application. Unused powder can be reclaimed using suitable equipment and recycled through the coating system.

Test conditions

Testing has been determined under laboratory conditions using the following application properties and is for guidance only. Actual film performance will depend on the individiual circumstances in which the product is used.

Pre-treatment	Iron Phosphate
Substrate	Steel
Curing schedule	15 min at 180°C (object temperature)
Film Thickness	60 - 80 µm

Copyright © 2026 Akzo Nobel Powder Coatings Ltd. Interpon is a registered trademark of AkzoNobel
Revision Date: Ver2, 18/05/2025
Region (POW): EMEA

Technical Datasheet

INTERPON A5200

YN603GF

Mechanical tests

	Typical value	Method/standard
Adhesion	Class 0	ISO 2409 (2 mm Crosshatch)
Erichsen cupping	Pass 3 mm	ISO 1520
Impact resistance	≥ 10 in/lbs	ASTM D2794 (r)

Chemical and durability tests

	Typical value	Method/standard
Salt spray test	Pass, no corrosion creep more than 2 mm from scribe, 240 h	ISO 9227

Environmental and durability tests

	Typical value	Method/standard
Accelerated weathering	≥50% Gloss retention, 2000 h	ISO 16474-2 (Xenon-arc)
Humidity	Pass - no blistering or loss of gloss, 240 h	ISO 6270-2 CH (Constant humidity)

Safety Precautions

This product is intended for use only by professional applicators in industrial environments and should not be used without reference to the relevant health and safety data sheet which Akzo Nobel has provided to its customers.

Disclaimer

IMPORTANT NOTE: The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product.

Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advices given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel.

Copyright © 2026 Akzo Nobel Powder Coatings Ltd. Interpon is a registered trademark of AkzoNobel

Revision Date: Ver2, 18/05/2025

Region (POW): EMEA