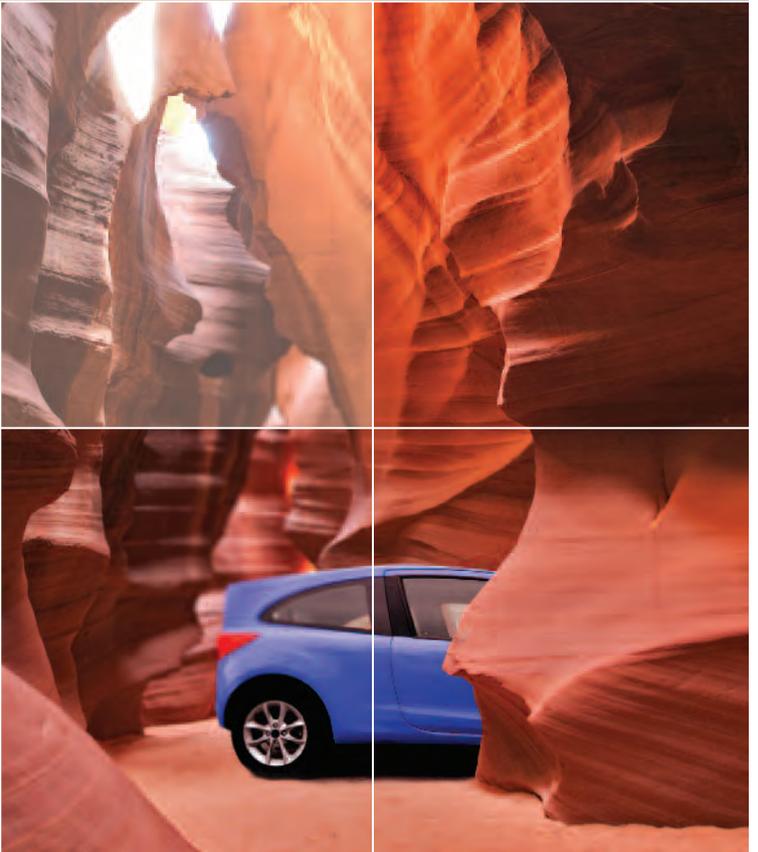


Interpon[®]
powder coatings

EVERY COLOR IS GREEN



Interpon A5000 - Bodysshell



AkzoNobel

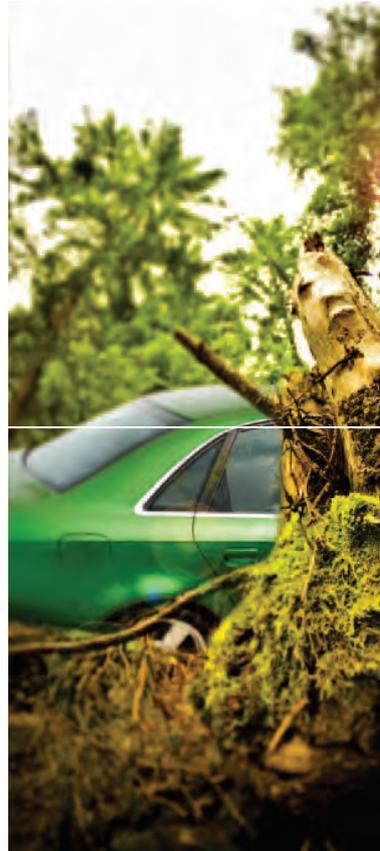


Interpon A5000 - sustainable and cost-conscious

The well-evidenced benefits of AkzoNobel's **Interpon A** powder coatings are now available as a topcoat for car body shells. **Interpon A5000** marks the start of a new era for automotive manufacturers who are keen to reduce both their carbon footprint and their costs without compromising on technical quality or performance.

For the first time, **Interpon A5000** offers the automotive industry a genuinely sustainable alternative to liquid paints. Powder coatings have the intrinsic advantages of zero Volatile Organic Compounds (VOCs), tough resistance, fewer production process steps than liquid systems and high utilisation efficiencies. In addition, **A5000** can provide a range of finishes and paint effects that will push back the boundaries of traditional car coatings.

Interpon A5000 powders are available either as super-durable polyester topcoats - a sensible choice for commercial vehicles and recommended for the rising class of popular good-value cars - or GMA acrylic powders which have superior appearance qualities. GMA acrylics are available as a solid color monocoat or as basecoat/clearcoat systems.



Technical performance

The **Interpon A5000** products are developed in close collaboration with individual automotive manufacturers to provide custom-made powders to meet their high and exacting demands. As well as good flexibility, the range offers high chemical resistance, impressive UV durability, a tough protective layer against stone chipping and the 'dulling' effects of car washes, and - particularly with the acrylic powder basecoat/clearcoat system - a smooth and 'deep' appearance.

The naturally thicker film layer of powder coatings, compared with liquid paints, strengthens the coatings' resistance to corrosive attacks and stone chippings.

Environmental benefits

Powder coatings are inherently 'green' and environmentally friendly, they automatically reduce a car manufacturer's carbon footprint. Their most well-known feature is that, unlike liquid paints, they contain no Volatile Organic Compounds (VOCs).

More significantly, with **Interpon A5000** paints, energy demands are considerably reduced. The higher curing temperature in the oven is off-set by energy savings in the application booths. Due to high filtration and return air rates, the booths require significantly less energy to operate. Some OEMs estimate that a powder booth consumes 80% less energy than an 'equivalent' liquid booth.

Equally important, while more than 20% of liquid 'overspray' cannot be reclaimed, unused powder particles can be recovered and recycled resulting in up to 98% utilisation efficiencies.



Economic advantages

One of the main drivers behind the development of the **Interpon A5000** range is the significant cost savings it can offer to car manufacturers. This can be as high as 15-20% of the total applied costs of a vehicle compared with liquid coating systems.

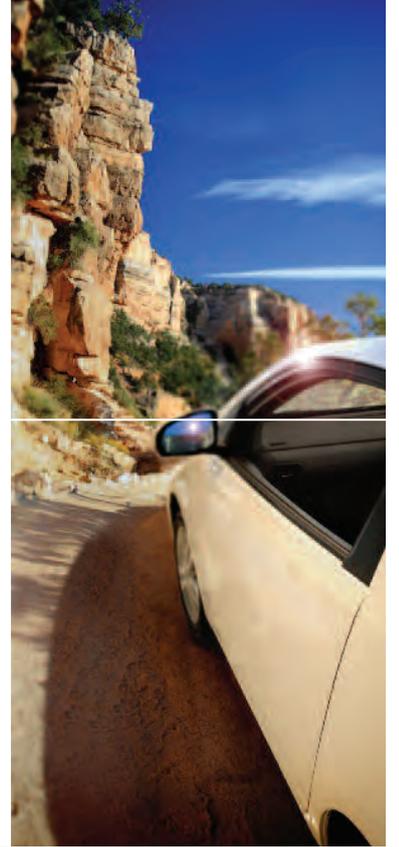
Powder's big advantage is that it consumes considerably less energy during its application - and around half the energy costs of any car plant are incurred in the paint shop. Unlike a liquid paint booth, a powder coating line does not require constant and costly air-conditioning to control the air quality and remove water and solvents. Secondly, the application process is quicker as less process steps are required. This results in savings in capital expenditure and maintenance costs as well as the operational benefits of shorter production times.

Operational advantages

Unlike liquid paints, **Interpon A5000** powders do not require a paint kitchen or any on-site mixing.

Liquid coatings also require expensive and complex air management systems and - optionally - 'dry scrubbers' to optimise the application process. None of this is necessary with powder coatings thus giving significant savings in both investment costs and factory footprint as well as maintenance and operations.

In short, **Interpon A5000** reduces both the complexity and the number of steps in the paint shop which increases the efficiency and quality of the process as well as minimizes the risk of errors.

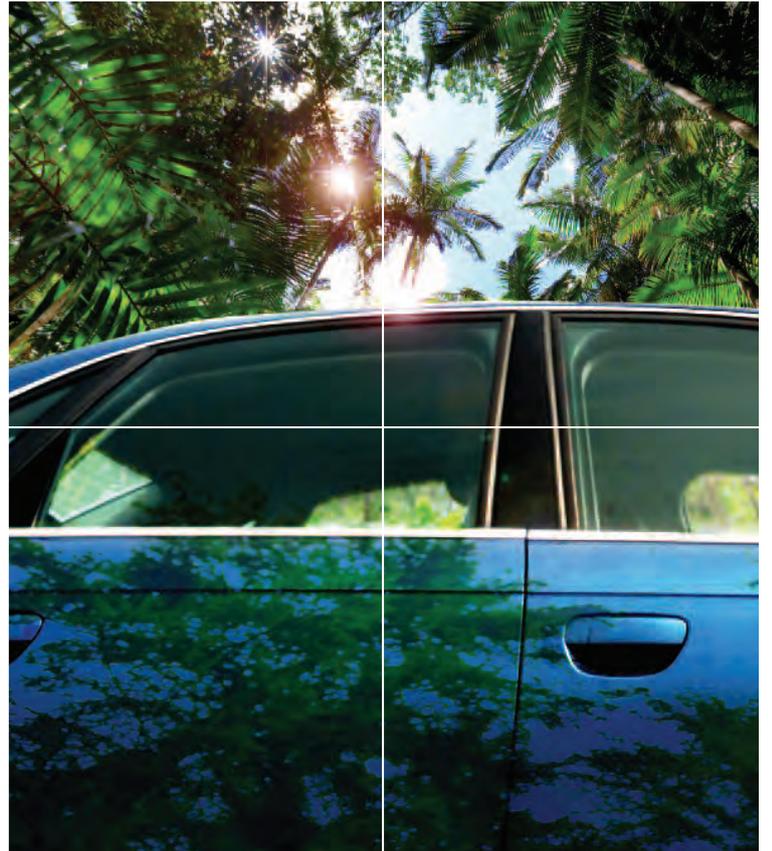


Aesthetic attractions

Interpon A5000 offers a new generation of car paints and finishes. Along with a traditional choice of colors, either in solid monocoat or a high gloss basecoat/clearcoat system, **A5000** opens up a bold new world of paint effects, both subtle and sophisticated, as well as stunning and eye-catching.

Imagine a car body that appears to have the subtle texture of sand or limestone, or one that will turn heads with a blaze of sparkle and reflected light. Interpon is challenging and changing the way color and effects are designed and manufactured in powder coatings.

The result? Color freedom, imaginative finishes, a new world of fun and fashion.



Interpon A5000 in a nutshell

- Significant cost savings; up to 20% (compared to liquid coating systems)
- Significant savings in capital expenditure and factory footprint
- Energy-efficient application
- High utilisation, minimal wastage
- Reduced carbon footprint/CO² emissions
- UV and weather resistant
- Unique range of paint effects and finishes
- Less process steps

For more information on the extensive **Interpon A5000** range speak to your AkzoNobel Powder Coatings representative or visit our website at www.interpon.com/Interpon A

With worldwide manufacturing and supply capability, Interpon A ensures consistent, quality coatings on a global scale.



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