

Eco+



Interpon[®]
POWDER COATINGS

■ **Architectural**

Interpon D Low Solar Absorption

The cool answer to
unwanted heat

Your imagination starts with our finish

AkzoNobel



Interpon D Low Solar Absorption

Proven powder coatings to tackle the unwanted build-up of heat from the sun

The heat from the sun's rays is not always welcome.

Traditional coatings absorb heat; Interpon D Low Solar Absorption, however, reflects up to 65% of the sun's energy even in darker shades. This has a dual effect: the coated surface will undergo limited thermal stress which increases the lifetime of the coated parts, contributing to the sustainability of your project; and prevents the unwanted build-up of heat that creates so-called 'urban heat islands' that are particularly noticeable in more densely-packed built environments.

By keeping surfaces cooler, Interpon D Low Solar Absorption helps us in maintaining a more comfortable and healthier environment in which to live and work, and better enjoy the warm summer weather. It also means air conditioning units don't have to work as hard to keep buildings cool and therefore consume less energy, adding a further benefit to its sustainability credentials.

In terms of innovation, Interpon D Low Solar Absorption contains a special pigment that helps reflect a large part of the Near Infrared Radiation (NIR), which makes up over 50% of the total irradiated solar energy, from any aluminum substrate that it coats.

It also has all of the 'traditional' benefits of being part of the superdurable Interpon D2000 family, available in a range of different colors and finishes which can be customized on request.

Leading benefits

Green Building accreditation

Using an Interpon D Low Solar Absorption powder coating contributes directly to the LEED 'Green Building' accreditation supported by the powder coating's Environmental Product Declaration (EPD).

Exceptional heat resistance

Reflects heat with a Total Solar Reflectance (TSR) value of up to 65%, meaning less requirement to use of air conditioning units and therefore more energy saved.

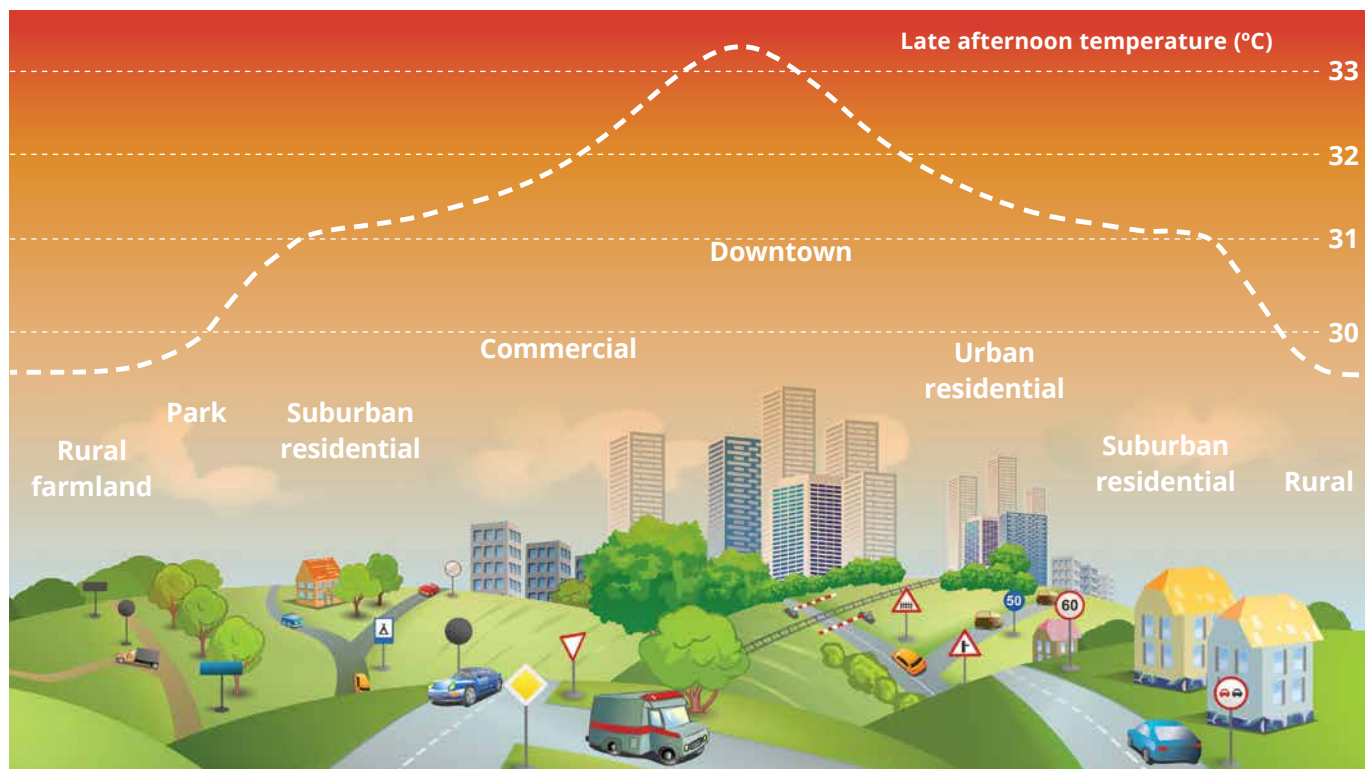
Enhanced sustainability

The powder coatings are free of Volatile Organic Compounds and help contribute to a building's green credentials.

Fire resistance

A2, S1, D0 certified products to resist the spread of fire and flames.

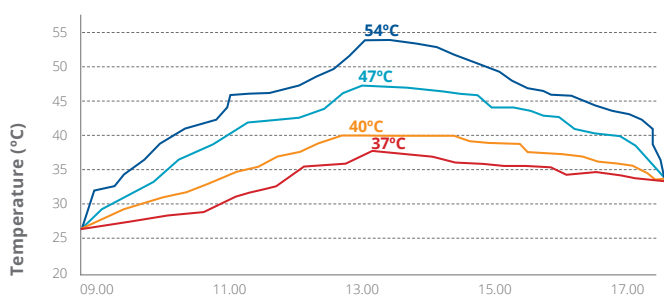




What is Urban Heat Island Effect?

An Urban Heat Island (UHI) is when a metropolitan area is significantly warmer than its surrounding rural areas. The temperature difference between urban areas and the surrounding suburban or rural areas can be as much as 5°C during the day, and at night the difference can increase to as high as 12°C. UHI is experienced both during the summer and winter seasons. We can help to counteract the heat island effect with the use of reflective building materials on houses, roofs, window sills and doors. The use of such materials can also lower energy demand, air conditioning costs, air pollution and helps to promote a better quality of life.

The science bit: How the Interpon D LSA works explained on the basis of the Onyx 905 black color



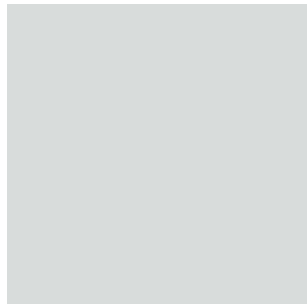


Colors and
trends for the
world's finest
creative minds

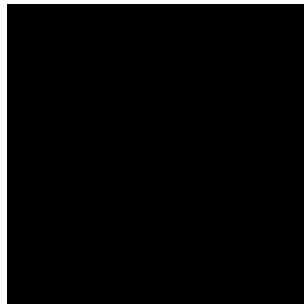
Color range



Sillimanite 716
YL216X



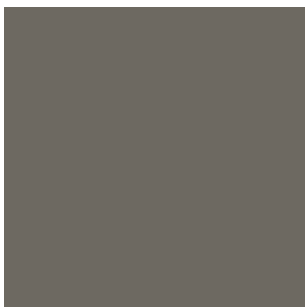
Agate 735
YL235X



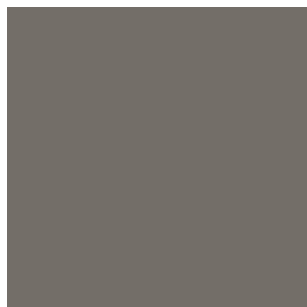
Onyx 905
YN225X



Tashmarine
YL232X



Zultanite 748
YW278G



Hematite 907
YW297G

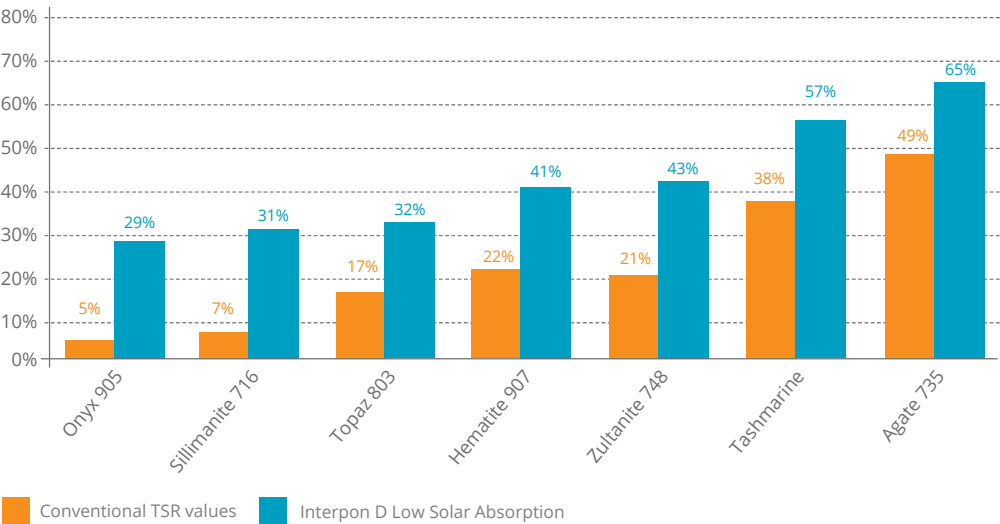


Topaz 803
YM203X

Exceptional heat reflective performance

Total Solar Reflectance (TSR) measures the heat reflectance performance of a coated surface. The graph shows how Interpon D Low Solar Absorption technology may improve TSR factors for the Interpon D Low Solar Absorption colors.

Conventional TSR values in comparison with the TSR values for Interpon D Low Solar Absorption



*All TSR measurements according to ASTM G173 testing standards

Transparency and reliability

Creating futures that last

You can rely on us. Our Interpon D Low Solar Absorption range delivers on its promised durability levels in terms of color retention and film integrity.

Offering up to 25 years global warranty on the coating performance when applied by an Interpon D Approved Applicator.

Qualicoat Class 2 and GSB Master certifications. Meets the performance requirements of AMAA 2604.



Building a sustainable future

The Interpon D2525 range is a family of products that is not just helping us to imagine the future; it is also protecting it. Backed by an Environmental Product Declaration (EPD), the raw materials, manufacture and transportation associated with creating Interpon D have been assessed by an independent third-party for transparent sustainability credentials.



THE INTERNATIONAL EPD® SYSTEM



AkzoNobel

Since 1792, we've been supplying the innovative paints and coatings that help to color people's lives and protect what matters most. Our world class portfolio of brands – including International, Sikkens and Interpon – is trusted by customers around the globe. We're active in more than 150 countries and use our expertise to sustain and enhance everyday life. Because we believe every surface is an opportunity. It's what you'd expect from a pioneering and long-established paints company that's dedicated to providing sustainable solutions and preserving the best of what we have today – while creating an even better tomorrow. Let's paint the future together.

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Speak to your local representative or contact interpon.info@akzonobel.com to order samples and learn more about what Interpon D Low Solar Absorption can do for you.

Eco+

Our **Eco+** products comprise the best performing powder coatings for helping businesses deliver enhanced sustainability through:



Reduce, reuse, renew



Reduced carbon



Increased productivity



Less waste



Longer lasting performance



Reduced energy

interpon.com/sustainability



Interpon App

Our Interpon App opens the door to all you need to know about Interpon powder coatings



Interpon Design App

Created especially for architects and specifiers



Architectural

Your imagination starts with our finish