



PLUS SMARTSHIELD+

March
2017

Dulux Trade Plus SmartShield+ is an exterior waterproofing coating that has been specifically formulated to reduce water ingress into substrates without sealing the surface, helping substrates breathe and dry-out, maximising their thermal efficiency. **Dulux Trade Plus SmartShield+** provides invisible protection from water and freeze thaw cycle helping building exteriors maintain their natural beauty. **Dulux Trade Plus SmartShield+** has a low viscosity formulation enabling efficient spray application across previously unsealed and undecorated substrates. **Dulux Trade Plus SmartShield+** is water-based, has low odour and is quick drying.

KEY BENEFITS

- Waterproofing Coating that reduces moisture intrusion
 - Permeable to water vapour (Highly Breathable)
 - Colourless / clear-coating providing invisible exterior protection
 - Reduces the risk of damage caused by rain and Freeze/Thaw cycle.
 - Algae/moss resistant (due to the nature of the hydrophobic surface)
 - Up to 10 year durability
 - Water-based & quick drying
- We highly recommend applying the product in a small test area before widespread use.
 - **Dulux Trade Plus SmartShield+** should be applied to surfaces that are touch dry.
 - The water repellent action remains for up to 10 years, but the pearling effect will decrease as time goes by.
 - Re-coatable with exterior masonry paints (after minimum 6 months).

Please note the product is **not** suitable for use on previously decorated or sealed surfaces.

PRODUCT INFORMATION

Typical Use

- Can be applied to most unsealed and undecorated concrete, cellular concrete, masonry, natural stone, cement, stucco/render and brick substrates.

Pack Size

10L plastic container

Colour Range

Clear when dry. White/Milky in-can.

Film Properties

Heat Resistance: Not suitable for use on heated surfaces.



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Water Resistance: Resistant to the levels of atmospheric humidity normally experienced in exterior environments.

Composition (nominal)

Pigment: Pigment Free
Low viscosity, water-based liquid, ready to use.

Volume Solids

Solid content approx. 7.5% by weight.

Volume solid content approx. 8.2%

SURFACE PREPARATION

To get the best results with **Dulux Trade Plus SmartShield+** make sure any surfaces to be coated are sound, clean and dry. Treat any areas affected by mould, lichens and algae with **Weathershield Multi Surface Fungicidal Wash*** or steam cleaning equipment.

Repair damaged joints, cracks and other defects with suitable materials. Ensure building/structural connections are sound for tightness and, if necessary repair.

Cover / protect glass, windows, doors, metal and plastic surfaces as the product is very difficult to remove once dry. Fully protect any other items in the near vicinity from any possible over-spray e.g. plants and vehicles. Caution: **Do not** use **Weathershield** Stabilising Primer or other

equivalent products that may seal the substrate.

Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead.

SYSTEMS INFORMATION

Shake the can well before use. The product is ready to use. Do not dilute.

For best results over large areas, we highly recommend spray application, but the product can also be applied by brush or roller.

Carefully decant the product into spray equipment & find the correct pressure following the spray manufacturer's instructions.

Spreading rates will vary according to the porosity of the substrate. For very porous substrates, apply two or three coats to saturate the substrate. Less absorbent, dense surfaces, such as precast concrete may only need to be treated once.

APPLICATION METHOD

Only apply in temperatures above 7° C and relative humidity <75%. Do not apply in direct sunlight.



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Spray Application:

Spray application is recommended for large surfaces / buildings as it allows a deep and uniform impregnation of the entire surface. To minimise over-spray, avoid spraying in windy conditions.

When spray applying, find the correct pressure following the spray manufacturer's instructions. We recommend using lower pressure to avoid excessive mist/over-spray. Keep the spray head / gun straight and about 10cm away from the substrate. Carefully spray the product from the bottom of a surface up to the top to achieve maximum impregnation.

For best results, apply until substrate is fully saturated and sags/runs of 10 – 20cm appear.

For best results, application should be uninterrupted in order to prevent the appearance of laps when it dries

Brush / roller Application:

Brushing is the simplest method and is suited for smaller surfaces / building areas.

Requires careful application: the product must be applied thoroughly from bottom to top.

Practical Coverage

Spreading rate will vary per substrate and is also dependent on the method of application and building.

To assess practical spreading rate, it is recommended to carry out a preliminary test. A guideline on TOTAL product required is presented below:

- (Porous) concrete: approx. 1.20 L/m²
- (Prefab) concrete: approx. 0.15-0.40 L/m²
- Cellular Concrete: approx. 1.20 L/m²
- Brickwork: approx. 0.50-1.00 L/m²

Thinning

Product is ready for use. Do not dilute.

Spray Recommendations

Conventional/HVLP Spray: Follow spray manufacturer' s instructions. We recommend using a low pressure to prevent excessive mist/over-spray.

Airless Spray: Follow spray manufacturer' s instructions. We recommend using a low pressure to prevent excessive mist/over-spray.

Hand-held/pump Spray: Follow spray manufacturer' s instructions. We recommend using a low pressure to prevent excessive mist/over-spray.



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Drying Times

1 to 2 hours for **Dulux Trade Plus SmartShield+** to fully penetrate the substrate at 20°C and 65% relative humidity.

Once fully dried, the substrate will be waterproof and weatherproof.

Touch Dry: 1 to 2 hours

Recoat: Can be applied wet-on-wet once the product has been fully absorbed (approximately 30 mins).

Re-coatable with exterior masonry paints (after minimum 6 months)

Cleaning Up

After use, remove as much product as possible from all application tools/equipment and then clean thoroughly with water.

Do not use or store in extremes of temperature and protect from frost. When this container is empty please ask your stockist about recycling. If you have leftover product, please consider donating it to **Community RePaint** or dispose of it responsibly. Find out more at duluxtrade.co.uk/pp.

Transportation & Storage

Do not use or store in extremes of temperature and protect from frost. Unopened containers can be stored for at least 12 months. To prevent spillage, please store and transport upright.

VOC

EU limit value for this product (cat.: A/h): 30g/l (2010). This product contains max. 3g/l VOC.
VOC content: Minimal (0-0.29%).



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FURTHER SUPPORT

If you need further support, please contact the **AkzoNobel** Technical Advice Centre on 0333 222 70 70 (UK) or 021 422 02 22 (ROI).

***Weathershield** Multi Surface Fungicidal Wash contains Benzalkonium Chloride.

Use biocides safely. Always read the label and product information before use.

Always read full Health, Safety & Environmental Information on can before use.

Safety datasheet is available free on request by telephoning the **AkzoNobel** Technical Advice Centre or by visiting duluxtrade.co.uk.

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At **Dulux Trade**, we believe by working with our customers we can reduce waste and do more with the resources we have. Together we can create a better future for our planet. Join us at duluxtrade.co.uk/pp

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