

PYROSHIELD EGGSHELL

Dulux Trade Pyroshield Eggshell is a water-based flame retardant finish that, with 2 coats, upgrades walls and ceilings from Class 3 to fire classification 'Class 0*' (please see note) using the system specified below depending on the substrate's classification (when tested to BS476, parts 6 and 7). Before preparation or application, pay particular attention to the detailed instructions regarding stability of previous coatings and the mandatory film build requirements.

KEY BENEFITS

- Flame Retardant
- Upgrades Class 3 surfaces in accordance with Fire Classification BS476
- Highly durable eggshell finish

PRODUCT INFORMATION

Typical Use

Suitable for use on interior wall and ceiling surfaces. It is designed to maintain or improve flame retardancy of new or previously painted walls and ceilings and previously painted concrete. **Not for use on wood or metal substrates.**

Pack Size

5L.

Colour Range

See appropriate **Dulux Trade** colour literature or visit duluxtrade.co.uk.

Film Properties

Chemical Resistance: Not suitable.

Heat Resistance: Not suitable for heated surfaces such as radiators.

Water Resistance: Will tolerate the levels of atmospheric humidity present in normal interior environments and will withstand moderate washing.

Film Thickness

Film thickness will be dependent on the coverage achieved. In order to achieve fire classification Class 0* (BS476) from Class 3, 2 coats at 10m² per litre are required (2 coats at wet film thickness of 100 microns).

Composition (nominal)

Pigment: Lightfast Pigments.

Binder: Urethane Acrylic.

Solvent: Water.

Volume Solids

White: 40% (nominal). Other colours will vary.

SURFACE PREPARATION

To get the best results, ensure surfaces to be painted are sound, clean and dry (new surfaces particularly must be fully dry). Surfaces must be thoroughly cleaned to remove all dirt, grease and any surface contamination that could affect the adhesion of subsequent coatings.

Remove all blistered, poorly adhering or otherwise defective coatings.

Any surface defects should be filled with the appropriate **Polycell Trade Polyfilla**. Spot prime all such exposed areas with **Pyroshield** Eggshell from **Dulux Trade**. Ensure surfaces are fully dry before finish coating.



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PLEASE NOTE: For any flame retardant system to be successful, it is paramount that all previous coatings are stable and firmly adhering to the underlying substrate. When

applying water-based systems to previous coatings that are known, or suspected to be, solvent-based, or which exhibit a very glossy or very hard impermeable surface the following preparation is recommended:

Thoroughly clean down the surfaces to remove all dirt, grease and surface contaminants; whilst wet, to produce the necessary 'key' for good adhesion by rubbing down sound areas with waterproof abrasive paper or pads and 'feather' broken edges of existing coatings. Rinse off and allow to dry. Allow the surface to fully dry before proceeding.

This product can be applied over new work, in which case a mist coat is advised.

SYSTEMS INFORMATION

STIR THOROUGHLY BEFORE USE. In order to achieve fire classification Class 0* (BS476) from Class 3, apply 2 coats at 10m²/L** (this equates to 2 coats, each coat at a wet film thickness of 100 microns and dry film thickness of 40 microns each). Do not thin. For sealed surfaces it is recommended that the substrate is lightly abraded before application. Over some (sealed) surfaces it may not be possible to achieve the recommended spreading rate on the first coat, and more than two coats may be required to achieve sufficient film build.

**This is the minimum film required to upgrade surfaces to fire classification Class 0 from Class 3 (BS476).

For further information, please contact the **AkzoNobel** Technical Advice Centre.

For best colour consistency, purchase sufficient tinted paint for each job including touch-in at one time from the same source.

APPLICATION METHOD

Brush or roller

As with all water-based paints, do not apply at temperatures below 8°C (as recommended by British Standard BS 6150).

Practical Coverage

A guide to the practical coverage which can be achieved under normal conditions is up to 10m² per litre.

Thinning

Sealing new or bare surfaces: Application may be thinned for new work up to 1 part clean water to 5 parts paint. However, flame upgrade properties will not be achieved without further application of 2 coats at a wet film thickness of 100 microns.

Normal use: Do not thin this product.

Spray Recommendations

This product is not recommended for spraying.

Drying Times

Single coat at standard thickness: 100 microns wet thickness and 45 microns dry thickness.

Touch Dry: 1-2 hours dependent on temperature and humidity.

Recoat: 4 hours.



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Cleaning Up

After use, remove as much product as possible from equipment before cleaning with water.

When this paint container is empty please ask your stockist about recycling. If you have leftover paint, please 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. To prevent spillage, please store and transport upright.

VOC

EU limit value for this product (cat.: A/i): 140g/l (2010).

Tinted colour: This product contains max. 25g/l VOC.

FURTHER SUPPORT

If you need further support, please contact the **AkzoNobel** Technical Advice Centre on [0333 222 70 70](tel:0333 222 70 70).

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.

It is essential that the specification and AkzoNobel usage instruction are strictly adhered to. Insufficient coats of the fire retardant paint or the incorrect application of it may result in a risk to both people and property in the event of a fire. The products and product information are designed for appliers who have the requisite professional skills and knowledge.

* Fire Classification 'Class 0' was a standard defined in Approved Document B of the Building Regulations 2000 (2006 Edition). Those Regulations have since been replaced by the new 2010 Building Regulations which refer to the European, EN classifications (BS EN 13501-1). Reference to Class 0 is not an equivalent of or interchangeable with any of the EN standards. If you have any uncertainty about the suitability of a Class 0 product for the works you plan to undertake, do not hesitate to contact the AkzoNobel Technical Advice Centre who will be able to provide guidance on this point.

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