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# PYROSHIELD DURABLE EGGSHELL

**Pyroshield** Durable Eggshell from **Dulux Trade** is a water-based flame retardant finish that upgrades wall and ceiling substrates of fire classification from Class 3 to Class O\* (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 Fire Classification BS476
- Highly Durable Smooth Finish

## PRODUCT INFORMATION

### Typical Use

Suitable for interior use and is designed to maintain or improve flame retardancy of new or previously painted walls and ceilings, and on substrates such as plasterboard, plaster, cement render and blockwork. Not for use on wood or metal substrates.

### Pack Size

5L.

### Colour Range

See appropriate **Dulux Trade** colour literature or visit [duluxtrade.co.uk](http://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, 2 coats at 12m<sup>2</sup> per litre is required (2 coats at wet film thickness of 85 microns).

### Composition (nominal)

**Pigment:** Lightfast Pigments.

**Binder:** Acrylic Copolymer Emulsion.

**Solvent:** Water.

### Volume Solids

PBW: 35% (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. Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead.



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

**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, apply 2 coats at  $12\text{m}^2/\text{l}^{**}$  (this equates to 2 coats, each coat at a wet film thickness of 85 microns and dry film thickness of 30 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 of fire classification from Class 3 to Class O (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, roller or airless spray.

As with all water based paints, do not apply at temperatures below  $8^{\circ}\text{C}$  (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  $12\text{m}^2$  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 85 microns.

**Normal use:** Do not thin this product.

**Airless spray application:** Do not thin this product.

### Spray Recommendations

**Airless Spray:** A typical set up for airless spray application would be a minimum working pressure on paint of 133 bars (2000 lb/sq in) with



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a spray tip size of 17 or 19 thou and a spray tip angle of 50° or 60° depending on the area being painted.

paint, please dispose of it responsibly and consider donating it to **Community RePaint**. Find out more at [duluxtrade.co.uk/pp](http://duluxtrade.co.uk/pp).

## Drying Times

*Single coat at standard thickness:*

**Touch Dry:** Dependent on temperature and humidity.

**Recoat:** 2-4 hours.

## 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

## 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/a): 30g/l (2010).

**Ready mixed:** This product contains max. 20g/l VOC. VOC content: Low (0.30-7.99%).

**Tinted colour:** This product contains max. 25g/l VOC. VOC content: Low (0.30-7.99%).

## FURTHER SUPPORT

If you need further support, please contact the **AkzoNobel** Technical Advice Centre on [0333 222 70 70](tel:03332227070).

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

Safety datasheet (SDS 546) is available free on request by telephoning the **AkzoNobel** Technical Advice Centre or by visiting [duluxtrade.co.uk](http://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 applicators who have the requisite professional skills and knowledge.

\* When applied in accordance with manufacturers instructions

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