

Operations Manual Painting and Decorating

Education OM001

Issue 19v1.1



Operations Manual Insert for Painting and Decorating by AkzoNobel is designed to enable after-care and maintenance teams to manage and maintain the completed building effectively.

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Contact us

For any assistance or if you required a detailed redecoration specification please contact us.

Write to us:

AkzoNobel, Wexham Road, Slough, Berkshire, SL2 5DS

Call us:

0333 222 70 70 (standard rate number)

Email us:

duluxtrade.advice@akzonobel.com

Visit us on-line:

<http://www.duluxtradepaintexpert.co.uk>

Dulux Academy:

<http://academy.duluxtradepaintexpert.co.uk>

Telephone us on 01753 877 224.

Introduction

The environment

The education environment is extremely tough with walls and joinery receiving very high levels of wear and tear daily. Surfaces are at risk of becoming grubby and scuffed, even damaged.

Paint coatings vary in durability, so it is important to understand how durability affects product performance. In essence, the better the durability of a product the longer the painted surface lasts before it needs redecorating. Durable paint surfaces can be repeatedly cleaned which means they look better for longer, resulting in extended maintenance cycles, and a positive impact on convenience to the user, long term cost and the environment.

Painted surfaces become dirty, general grime comes predominately from greasy hands and clothing, whilst black scuffs come from items such as bags, shoe soles, chair backs and objects with rubber or plastic accessories.



Dulux Trade Diamond, Dulux Trade AirSure Diamond, and Dulux Trade Scuffshield are durable paints which enable surfaces to be kept clean through the implementation of appropriate cleaning regimes. Dulux Trade Diamond Paints are quick drying, water-based coatings that contain either a stain repellent or a scuff resistant wax which when combined with appropriate cleaning practice means surfaces look better for longer.

When comparing durability of products care must be taken to ensure the figures compared are 'like for like'. The durability of different products and brands varies, so it is important to know what you want from a paint coating, only then can you make an informed decision. It may be a false economy to choose a low-cost paint as these coatings are often less durable meaning their performance does not meet expectations.

For more information refer to the Durability Table in Appendix 1. If you required any assistance in choosing the right product, please get in touch.

Keeping your painted surfaces clean

Cleaning Maintenance for Internal Walls finished in Dulux Trade Diamond, Dulux Trade AirSure Diamond, and Dulux Trade Scuffshield Water-based Paints

These high-performance emulsion paints are designed to deliver a tough hardwearing finish, that offers superior stain and scuff resistance versus other broad wall paints, to ensure high traffic areas stay looking better for longer. Due to the nature of the environment surfaces will become dirty meaning that a cleaning regime will be required.

CLEANING DULUX TRADE DIAMOND, DULUX TRADE AIRSURE DIAMOND, AND DULUX TRADE SCUFFSHIELD PAINTS

For general cleaning

- Dilute in a bucket 1-part Sprint cleaner (or similar mild detergent) and 50 parts warm water.
- Use a clean Decorator Sponge to wipe the walls.
- Allow to dry.

For heavy duty cleaning

- Dilute in a bucket 1-part Sprint cleaner (or similar mild detergent) and 20 parts warm water.
- Use a clean Decorator Sponge to wipe the walls.
- Allow to dry.

Vigorous scrubbing and the use of abrasive cleaners or scourers may impair the finish & is not recommended. Only apply enough pressure to remove marks. Oil based stains and marks from some pens/felt tips/permanent markers may not be completely removed. Full durability of the coating develops over 7 days following initial application. If this is not working, then move to the heavy-duty cleaning regime.

Best practice when redecorating your walls

How to avoid colour variations when redecorating

Our Eyes and Colour Variation

The human eye can differentiate between 10 million colours, and the way buildings are lit can alter that perceived colour. However, although humans have been making and using colours for thousands of years, fundamental issues still arise. Current paint technology still means we live in a world of variables and while they may be very small, they can still be significant. For example, manufactured pigments differ from batch to batch; tinting machines produce slightly different strength colours each time and other raw materials will vary every time paint is made. This is why, historically, the paint industry has always experienced batch-to-batch variation.



That said there are 5 simple rules that can help minimise the impact of the colour variation

Use a single batch for a job, i.e. a paint that is tinted from the same tinting machine at the same time. Do not use paint from different batches on the same surface or surfaces close together. If possible, purchase paint for the whole job at one time. If storage is limited, your merchant may be able to help.

1. If you have mixed batches of coloured paint then they should be 'boxed', mix all the paints in a large container ensures colour consistency. If this is impossible, use the different batches in areas where the colour cannot be directly compared.
2. Use either ready-mixed or tinted paint - do not use both on the same job.

3. Check the colour of each batch before you use it. AkzoNobel colours are available in the fan books and colour cards or you can request A8 Colour Palette samples from your local contact, order online at www.duluxtradepaintexpert.co.uk or by calling 0333 222 70 70. The project specifier should also supply a sample for
4. you to check against. Another option is to ask your client to agree that the colour (and quality of the paintwork) is in line with the specification by signing-off a small test area at the beginning of the contract.
5. The appearance of a colour can depend on the type of lighting. Therefore, check the colour in the actual lighting conditions that will be used.
6. 'Touching up' should only be attempted using paint from the original job using the same application methods. Therefore, paint should be reserved especially for this purpose. It is recommended that touching up is carried out up to a break in the wall or surface. With particular colours, usually deeper shades, and higher sheen finishes it may be necessary to re-coat the whole area to avoid noticeable differences in appearance.

If you come across an issue contact AkzoNobel before you use the paint, or, if you are already using the product, no more should be applied, and contact us.

Maintenance

Paint Schedule - Basic Redecoration schedule – Walls

The information below is to identify individual Systems for key building areas to be painted. This recommendation is for **broad walls** painted with **Dulux Trade Diamond**, **Dulux Trade AirSure Diamond**, and **Dulux Trade Scuffshield** paint; please speak to your AkzoNobel representative if you need any assistance, or specification for alternative products.



In order to achieve the optimum results, it is extremely important to adhere to the systems and Site Work instructions vEXT1 quoted. Please note that AkzoNobel will not accept responsibility for any amendments to or unauthorized usage of the wording contained in the systems sheets or in the Site Work Instructions vEXT1. Prior to the start of the painting contract, Client and Painting Contractor must agree arrangements with regard to Site Work Instructions vEXT1.

Interior

Plaster / plasterboard previously painted with one of the following products:

- Dulux Trade Diamond Matt
- Dulux Trade Diamond Eggshell
- Dulux Trade AirSure Diamond Matt
- Dulux Trade Scuffshield Matt

Simply select relevant product and colour.

IMPORTANT NOTES: Due to the potential deterioration of the existing coatings and/or the potential deterioration of the existing substrates referred to within the project, the use of these specific project documents is limited to 24 months from their date of origination to the completion of the painting contract. It is recommended that this documentation be reviewed with AkzoNobel when completion of the project is greater than 24 months from the date of document origination.

We would draw your attention to the legal declaration below. It is important to remember that these specifications provided by AkzoNobel are protected by copyright and database right and are dependent in performance terms on the use of AkzoNobel and colour defining references cannot be converted to what appears to be an equivalent system from another paint manufacturer without subsequent potential loss of performance.

Building part:	Walls previously painted
Substrate:	Interior - block / concrete / Plaster / plasterboard
Required Finish:	Dulux Trade Diamond, AirSure Diamond, Scuffshield in appropriate finish and colour
Finish System:	Coats 2
Surface Condition:	Previously painted - Good

Comply at all times with BS 6150: 2006 Code of Practice for Painting of Buildings (or as amended) and BS EN ISO 12944: 1998 Paints and Varnishes - AkzoNobel Decorative Paints will not accept responsibility for any unauthorized amendments or usage of the wording contained in this System sheet and in AkzoNobel Decorative Paints Site Work Instructions vEXT1. In order to achieve the optimum results, it is extremely important to adhere to the systems and AkzoNobel Decorative Paints Site Work Instructions vEXT1 quoted. Products supplied for the carrying out of this specification are compliant with Statutory Instrument 2005 No. 2773 (Environmental Protection) - The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2005.

Preparation: The amount of preparatory work required on a Previously Coated Surface can vary considerably due to a variety of circumstances. This System is for Preparation up to and including partial failure/breakdown <50%. (See AkzoNobel Site Work Instruction vExt1 for further information.)

Cleaning: Thoroughly clean down the surfaces to remove all dirt grease and surface contaminants. Remove all blistered, poorly adhering or otherwise defective coatings. Powdery and friable surface coatings should be completely removed by scraping, brushing and washing. Allow the surface to fully dry before proceeding. Where appropriate, rub down sound areas to produce the necessary 'key' for good adhesion and 'feather' broken edges of existing coatings. *Dust off.

Prime: all sound bare areas, filled areas, and areas exposed by the removal of coatings with: 1 coat of ***Dulux Trade Stain Block Primer***.

Make Good: Make good cracks, holes and other imperfections with ***Polycell Trade Easy Sand Interior Filler*** and allow such making good to dry out thoroughly. Rub down smooth to match surrounding area and *dust off. Note: *When rubbing down dry and/or dusting off wear a suitable face mask to avoid the inhalation of dust.

Finishing System: 2 coats of ***Dulux Trade Diamond, Dulux Trade AirSure Diamond, and Dulux Trade Scuffshield*** in appropriate finish and colour

Recommendations for the cleaning of surfaces coated with Dulux Trade Diamond technology products can be found in AkzoNobel Site Work Instruction vExt1 or contact us for full details.

SITE WORK INSTRUCTIONS for Paint Schedule

Clause Reference Section 1: Manufacturer and Brand Information

Manufacturer Contact Details: AkzoNobel, Wexham Road, Slough, Berkshire, SL2 5DS

Tel: 08444 817 818

Email: duluxtrade.advice@akzonobel.com

Web: www.duluxtrade.co.uk

SW 1.01 Clause Reference Section 2: Information on Conditions of Use

Use of Specified Products Coating materials to be obtained from the manufacturer and specified brand where indicated. It is not permissible to substitute the indicated brand. It is the responsibility of the Painting contractor to familiarise themselves with these materials.

SW 2.01 Relevant Code of Practice

Care and attention must be employed when using the systems and the relevant British Code of Practice must also be complied with. BS 6150: 2006 Code of Practice for Painting of Buildings (or as amended) and BS EN ISO 12944: 1998 Paints and Varnishes - Corrosion Protection of Steel Structures by Protective Paint Systems (or as amended)

SW 2.02 Conditions Suitable/Unsuitable for Painting

Most coatings are dependent on the evaporation of the solvent or thinner at the initial drying stage. High or Low Temperature and/or High Humidity will affect coating application and can permanently affect the coatings performance. It is therefore recommended that application is not carried out when the temperature falls below 5 degrees centigrade (Solvent borne) or 8 degrees centigrade (Water borne) or when the relative humidity exceeds 80%. Consideration must also be taken regarding the temperature of the surface to which the coating is to be applied. Refer to BS 6150: 2006 Code of Practice for Painting of Buildings (or as amended) for further guidance.

SW 2.03 Clause Reference Section 3: Preparation Painted Finishes / BS Code of Practice

The whole of the painted surfaces shall be finished in accordance with BS 6150: 2006 Code of Practice for Painting of Buildings (or as amended) and additional requirements quoted. The surfaces coated should exhibit a fair and even surface of constant colour, substantially free of brush marks, fatty edges etc.

SW 3.01 Clause Reference Section 4: Colour

Good Working Practice When Using Colour Before application, ensure that all materials are from the same batch. If mixed batch tins are purchased, they should be 'boxed' to avoid potential colour variation. 'Boxing' requires the mixing together of the different batches in a larger container to ensure consistency of colour. Colour variation can occur when purchasing a colour for a project from a variety of sources rather than from one source and/or location. The risk of colour variation can be reduced by taking the following action:

- a) Avoid using a mixture of ready mixed colour and in store tinted colour
- b) Avoid using a variety of batch numbers whether ready mixed or in store tinted. For the purpose of in store tinted colour a batch is considered to be materials tinted on one machine at the same time.
- c) Purchase sufficient material for the project at one time from the same source of supply tinted on the same tinting machine.

Where this is not appropriate due to storage restrictions, the supplying merchant may be able to store sufficient quantities in store for call off when required. It is good working practice to hold back sufficient original material to 'touch up' any areas of damage to the paint film prior to completion. With some paints and / or colours, especially products with mid or high sheen and / or deep colours, it may be necessary to recoat the whole area to avoid noticeable differences in film appearance.

Datasheets

Please refer to Dulux Trade Paint expert for up to date product information.

All AkzoNobel product and material safety datasheets can be found here,

<https://www.duluxtradepaintexpert.co.uk/products/datasheets>

Dulux Academy Courses

Dulux Academy is the home of painting and decorating excellence.

Our team of industry leading experts delivers learning experiences that celebrate our brand portfolio and proud heritage, showcase products and application innovation and embrace technology. At every stage of your decorating career, our courses can deliver increased knowledge and understanding, and enables you to deliver quality decorating.

Learning with us

Learning with Dulux Academy is hands-on and engaging, with learning environments designed to maximise your experience, we ensure you gain the most from your attendance. Theory sessions take place in classroom-style rooms and is supported by interactive demonstrations and, where appropriate, practical application.

At our Academy you have access to training that supports your personal and professional ambitions. Our four training themes are;

Product, Application and Innovation

You can learn about the latest AkzoNobel product ranges, new products, 3rd party products and associated application techniques.

Colour and Design

You can upskill your knowledge in colour theory, scheming, design principles and AkzoNobel colour tools.

Sustainability

You can understand more about sustainable decorating solutions including how to get the best results.

Business Management

Finally, we offer a range of courses around business and personal development. These are categorised further under: **Personal Development, Commercial Awareness and Health & Safety.**

For more information <http://academy.duluxtradepaintexpert.co.uk> or telephone us on 01753 877 224.



Appendix 1 Durability Table

Paint coatings vary in their durability, so it is important to understand how durability affects products' performance. In essence, the better the durability of a product the longer the painted surface lasts. Durable surfaces can be repeatedly cleaned which means they look better for longer, resulting in extended maintenance cycles, and a positive impact on convenience to the user, long term cost and the environment.

When comparing durability of products care must be taken to ensure the figures compared are 'like for like'. The durability of different products and brands varies, so it is important to know what you want from a 'durable paint', only then can you make an informed decision. It may be a false economy to choose a low-cost 'durable paint' as these coatings are often compared to a lower benchmark meaning their performance does not meet expectations.

Use the table below to compare products											
			STANDARD 1			STANDARD 2			Other attributes		
			BS EN 11998: 2006 Paints and varnishes: Determination of wet-scrub resistance and clean ability of coatings:			BS 7719: 1994 Specification for Water-borne Emulsion Paints for Interior Use Annex C:					
Brand	Type	Component	Class 4: <70 microns @ 40 cycles	Class 2: >5 <20 microns @ 200 cycles	Class 1: <5microns @200 cycles	Type B: Low wear resistant paints: <5 mg / cm ² after 40 scrubs	Type A: Matt general purpose paints: <5 mg / cm ² after 200 scrubs	Type C: High wear and moisture resistant paints <2 mg / cm ² after 2000 scrubs	Total number of scrubs achieved	Additional benefits	Typical redeccycle
Dulux Trade	Heavy Duty Emulsion	DIAMOND EGGSHELL	-	-	✓	-	-	✓	10,000	Stain resistant technology	up to 6 yrs.
Dulux Trade	Heavy Duty Emulsion	DIAMOND MATT	-	-	✓	-	-	✓	10,000		up to 6 yrs.
Dulux Trade	Heavy Duty Emulsion	AIRSURE DIAMOND MATT	-	-	✓	-	-	✓	10,000	Stain resistant technology 99.9% VOC Free Ultra Low Emissions	up to 6 yrs.
Dulux Trade	Heavy Duty Emulsion	SCUFFSHIELD MATT	-	-	✓	-	-	✓	10,000	Scuff resistant technology	up to 6 yrs.
Dulux Trade	Heavy Duty Emulsion	STERISHIELD DIAMOND MATT	-	-	✓	-	-	✓	10,000	Active Silver Biocide	up to 6 yrs.
Dulux Trade	Heavy Duty Emulsion	STERISHIELD DIAMOND EGGSHELL	-	-	✓	-	-	✓	10,000		up to 6 yrs.
Armstead Trade	Emulsion	DURABLE MATT	-	-	✓	-	-	✓	2000	No additional additives	up to 4 yrs.
Armstead Trade	Emulsion	DURABLE EGGSHELL	-	-	✓	-	-	✓			up to 4 yrs.
Dulux Trade	Emulsion	Vinyl Matt	-	✓	-	-	✓	-	200	No additional additives	up to 3 yrs.
Dulux Trade	Emulsion	Supermatt	✓	-	-	✓	-	-	40	No additional additives	up to 2 yr.