

Alphacryl Mat

A water-borne, matt finish for interior use.

Use as a premium quality, wet scrubable (Class 1 - ref. BS EN 13300:2001) stain resistant matt finish for walls and ceilings. Particularly suitable for renovation work and on traditional lime plaster finishes.



Properties

Composition	Acrylic based resin and pigments dispersed in water.
Coating system	Can be used as a one product system onto most mineral substrates. Two to three coats are normally required (first coat thinned on new work). Where stain blocking or stabilising is required, Alphacryl Mat should be applied as a one to two coat finish onto Alpha Isoprimer , Alpha Primer SF or Alpha Aquafix .
Sheen level	Dead matt (ref. BS EN 13300 : 2001).
Recommended application rate	9-10m ² /litre, unthinned onto a non-porous surface. These figures are intended as a guide. The actual coverage will depend on a number of factors, including the surface texture and porosity, moisture content, method of application, and presence of other coatings.
Application methods	Brush, roller or airless spray.
Thinning dilution	In order to aid application: First (mist) coat on bare surfaces - thin up to 35% by volume with clean water. Subsequent coats on sound surfaces - thin up to 10% by volume with clean water.
Application conditions	Min. temp. 8°C Max. temp. 25°C Max. humidity 85%

Drying Time (@20°C/65%RH)

Touch dry : 1 hour
Re- and over-coatable after 6 hours

Note:

Drying times are dependent upon absorption of substrate, temperature and relative humidity levels. At low temperatures and/or conditions of high relative humidity, drying periods will be extended.

Volume Solids	Approximately 38% by volume (depending on colour).
Volatile Organic Compound	EU Limit value for this product (cat. A/a) : 75g/l (2007) / 30g/l (2010). This product contains max 30g/l VOC.

Colour Range

White, 4041, RAL, BS 4800, NCS colour collections.

Packaging/Can Size

Alphacryl Mat is available in 5L containers (all colours) and 10L containers (white and some pale colours).

Preparation

General: Ensure the surface is suitably prepared, clean and dry, with dust, dirt, grease, poorly adhering coating, efflorescence and any other contaminant removed.

When filling, be sure to use fillers specifically designed for use with the substrate in question, such as **Kodrin BL**, and allow to dry/cure fully before overcoating.

New surfaces	Alphacryl Mat can be used alone onto most interior building surfaces. On new surfaces which are highly porous or powdery, or discolouration of the finish by surface stains is possible, use the appropriate primer (see table overleaf).
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Maintenance of existing coatings	Surfaces should be clean and sound. Oil-based paints should be sanded to provide a key*. Ensure all dust is removed.
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Apply two coats of **Alphacryl Mat**.

Maintenance of other existing coatings	Any loose, flaking coating should be removed* using a scraper and abrasive paper. Limewash or distemper should be removed completely by washing. Any other loose material should be removed using a stiff (non-metallic) bristle brush. Eradicate any mould and algal growth using a suitable fungicide/algicide. Wash surfaces with water and a mild detergent to achieve a clean surface. Rinse thoroughly and allow to dry completely.
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Surfaces that remain powdery after thorough preparation should be sealed with **Alpha Aquafix**, those which remain highly porous with **Alpha Primer SF**. Surfaces which are stained and could potentially discolour the finish should be primed with **Alpha Isoprimer**. Coatings in a poor condition should be removed completely, and the procedure followed for "New surfaces".

* See also "Removal of existing coatings" and "Removal of lead paint" overleaf.

Product Application

Initial procedure: Ensure product is thoroughly stirred before and during application. **Alphacryl Mat** may be thinned with up to 10% by volume with clean water to aid application. On highly porous surfaces, the first coat of **Alphacryl Mat** may be thinned up to 35% by volume.

For best results use a good quality synthetic-fibre brush or roller, specifically designed for the application of water-borne products.

Applying the product	Use the minimum number of brush/roller strokes required for an acceptable finish. After applying one coat, allow a minimum of 6 hours drying time before overcoating.
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Spray application Thinning - up to 10% by volume with clean water.

Airless spray

Paint pressure 100-200 bar (1500-3000lb/sq. in.)
Tip size : 18-21 thou (0.46-0.53 mm)

Cleaning equipment Remove as much product as possible from brushes and other equipment immediately after use before cleaning with warm, soapy water, and then rinsing thoroughly with clean water. If spilled, **Alphacryl Mat** may be removed immediately while still wet, using warm, soapy water.

Storage Reseal container after use and store tightly closed to prevent evaporation of the product and entry of air. Avoid including a greater proportion of air to the product. Please note that even if there is a higher proportion of product to air in the can, once opened, the shelf life of the product is unpredictable. Store in cool, dry, frost-free conditions.

General Information

Apply all products in accordance with BS 6150: 1991 and BS 8000 : Part 12 : 1989 (see Standards section).

Every care is taken to ensure that the information provided in this technical data sheet is accurate. **Akzo Nobel Specialist Coatings** are unable to guarantee results as we have no control over the conditions under which our products are applied.

For further advice and information contact the Technical Advice Centre on **01480 484275**. Before using this product ensure that you have the latest information available. The information above is correct at the date of issue.

Standards

BS 6150: 1991 - Code of practice for painting of buildings

BS 8000 : Part 12 : 1989 - Workmanship on building sites. Code of practice for decorative wallcoverings and painting

BS EN : 13300 : 2001 - Paints and varnishes - Water-borne coating for interior walls and ceilings

Safety, Health and Environment

It is the policy of **Akzo Nobel Specialist Coatings** to provide the highest standard of information and to this end, material safety data sheets covering every **Akzo Nobel Specialist Coatings** product are supplied to our customers and are freely available on request.

Removal of lead paint

Special precautions should be taken during the preparation of pre-1960s paint surfaces as they may contain harmful lead. A guide on "How to remove old lead paint safely" is available via the British Coatings Federation Ltd. (Tel. 01372-360660).

Removal of coatings (general)

Treatments such as sanding and burning off, etc. of paint films may generate hazardous dust and/or fumes. Work in well ventilated areas. Use suitable personal (respiratory) protective equipment.

The safety phrases on the containers and material safety data sheets should be read before using this product.

Issue Date

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Substrate	Condition	Primer	or	Mist coat	Finish
NEW/BARE substrate – Sound					
Plaster	Sound	Alpha Primer SF	or	Alpha top coat, thinned up to 35%	Alpha top coat(s)
Plasterboard	Sound	Alpha Primer SF	or	Alpha top coat, thinned up to 35%	Alpha top coat(s)
Lining or Paintable Paper					
Brick/block work	Sound	Alpha Primer SF	or	Alpha top coat, thinned up to 35%	Alpha top coat(s)
UN SOUND SURFACES					
Dusty/ Powdery		Alpha Aquafix			As above
Salt efflorescence		Alpha Aquafix or Alpha Primer SF			As above
Porous/highly absorbent		Alpha Aquafix or Alpha Primer SF			As above
Stained/ discoloured		Alpha Isoprimer			As above
MAINTENANCE					
Oil based	Clean, provide key	None required	N/A		Alpha top coat(s)
Water-based (e.g. vinyl)	Thorough clean	None required	N/A		Alpha top coat(s)
Distemper/lime	Remove by washing	Alpha Aquafix	N/A		Alpha top coat(s)

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