

## Alphaxylan SF

A water-borne, poly-siloxane based matt finish for interior use.

Use as a very high quality, wet scrubbable (Class 1 - ref. BS EN 13300:2001), high opacity (Class 1) matt finish for walls and ceilings. High moisture vapour permeability makes it ideal for renovation of old buildings.



### Properties

Composition	Poly-siloxane 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, <b>Alphaxylan SF</b> should be applied as a one to two coat finish on to <b>Alpha Isoprimer</b> or <b>Alpha Primer SF</b> .
Sheen level	Dead matt (ref. BS EN 13300 : 2001).
Recommended application rate	Approximately 14-18 m <sup>2</sup> /litre per coat, unthinned onto a non-porous surface. This figure is 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 20% 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 3-4 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 40% 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 and NCS colour collections.

**Packaging/Can Size** Alphaxylan SF 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** **Alphaxylan SF** can be used alone on 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).

**Maintenance of existing sound coatings** Surfaces should be clean and sound. Oil-based paints should be sanded to provide a key\*. Ensure all dust is removed. Where no significant change of colour is required, apply one coat of **Alphaxylan SF**. Where a change of colour is required, two coats may be necessary.

**Maintenance of other existing sound 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.

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. **Alphaxylan SF** may be thinned with up to 20% by volume with clean water to aid application. On highly porous surfaces, the first coat of **Alphaxylan SF** 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 3-4 hours drying time before overcoating.

<b>Spray application</b>	<p>Thinning - up to 20% by volume with clean water.</p> <p><b>Airless spray:</b> Paint pressure 160-180 bar (2400-2700 lb/sq. in.) Tip size : 15-21 thou (0.38-0.53 mm)</p> <p><b>Conventional spray:</b> Paint pressure 2-5 bar (30-75 lb/sq. in.) Tip size : 1.8-2.2 mm (72-88 thou)</p>
<b>Cleaning equipment</b>	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, <b>Alphaxylan SF</b> may be removed immediately while still wet, using warm, soapy water.
<b>Storage</b>	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.
<b>General Information</b>	<p>Apply all products in accordance with BS 6150: 1991 and BS 8000 : Part 12 : 1989 (see Standards section).</p> <p>Every care is taken to ensure that the information provided in this technical data sheet is accurate. <b>Akzo Nobel Specialist Coatings</b> are unable to guarantee results as we have no control over the conditions under which our products are applied.</p> <p>For further advice and information contact the Technical Advice Centre on <b>01480 484275</b>. Before using this product ensure that you have the latest information available. The information above is correct at the date of issue.</p>
<b>Standards</b>	<p>BS 6150: 1991 - Code of practice for painting of buildings</p> <p>BS 8000 : Part 12 : 1989- Workmanship on building sites. Code of practice for decorative wallcoverings and painting</p> <p>BS EN : 13300 : 2001 - Paints and varnishes - Water-borne coating for interior walls and ceilings</p>
<b>Safety, Health and Environment:</b>	It is the policy of <b>Akzo Nobel Specialist Coatings</b> to provide the highest standard of information and to this end, material safety data sheets covering every <b>Akzo Nobel Specialist Coatings</b> product are supplied to our customers and are freely available on request.
<b>Removal of lead paint</b>	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).
<b>Removal of coatings (general)</b>	<p>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.</p> <p>The safety phrases on the containers and material safety data sheets should be read before using this product.</p>
<b>Issue Date</b>	June 2006.

Substrate	Condition	Primer	or	Mist coat	Finish
<b>NEW/BARE substrate – Sound</b>					
Plaster	Sound	Alpha Primer SF	or	Alpha top coat, thinned up to 35%	Alpha top coat(s)
Plasterboard Lining or Paintable Paper	Sound	Alpha Primer SF	or	Alpha top coat, thinned up to 35%	Alpha top coat(s)
Brick/block work	Sound	Alpha Primer SF	or	Alpha top coat, thinned up to 35%	Alpha top coat(s)
<b>UNSOUND SURFACES</b>					
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
<b>PAINTED/REDEC</b>					
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)