



# TECHNICAL PAINT SERVICES

## A109 SYNTHAMEL FINISH: GLOSS, SEMI-GLOSS, AND EGGSHELL

### Features:

A high quality, lead-free synthetic finish conforming to BS4310, for interior or exterior use. Exhibiting excellent durability on most timber and metal surfaces. Good resistance to heat, oil, petrol and water when used in conjunction with a suitable primer and AU109 undercoat. A109 Synthamel Gloss is also suitable for application directly on to clean glass to act as a blackout screen against unwanted light or intrusion. Suitable for use on cold room and freezer storage units.

### Colour Range:

BS4800 colour range, made to order. A limited RAL range is offered, minimum 10.0 Litre batches.

### Pack Size:

In 5.0 Litre containers. Orders over 75.0 Litres will be sent in 25.0 Litre drums to avoid tin waste.

### Availability:

Please note all our products are made to individual order with most of our standard colours available within a couple of days. For some standard colours and for non-standard colours, it may take 4-7 days before shipping. For non-standard colours please contact our Technical Team. It should be noted that we recommend you do not issue instructions of work to contractors before you have taken delivery of your goods, as delays in delivery are out of our control. A cheaper Contract Grade version is also now available, AG109. Minimum quantities and colours apply; please contact us for more details.

### Technical Data:

VOC-content: 300g/Litre max.  
EU Limit values: 300g (2010/42/CE Class Ai).  
VOC Content (as supplied): max 300g/Litre.

**Volume Solids:** 38% ± 3% (BS 3900 Part A10).

**Film Thickness:** (depending on method of application)

Wet: 60 Microns.  
Dry: 30 Microns.

### Drying:

Touch dry: 30 - 40 minutes @ 20°C. 3 hours @ 10°C.  
Recoatable: 8 hours @ 20°C. 12 hours @ 10°C.

When applied in cold rooms or freezer units, leave 72 hours before re-using.

Full use after 3 - 5 days (will vary with temperature and air movement).

Minimum application temperature 8°C.

Relative humidity should be no greater than 85%.

**Coverage:**

Up to 40 sq. metres per 5.0 Litres.

Coverage rates are based on our own tests but could vary depending on surface profile, porosity of the surface and method of application. Please ensure you have the correct amount of product to complete the job before starting. Coloured finishes should only be applied from the same batch of paint. Where more than one batch is available, all batches should be boxed together before applying to maintain continuity of colour and finish.

**Preparation:**

The surface should be clean, dry and free from dust and grease. All timber and metal surfaces should be suitably prepared before the application of a primer and/or an undercoat where needed. Suitable primers, depending on the substrate are as follows: AMP49 Amel Anti-Corrosive Zinc Phosphate Primer, AP49 Amel Lead Free Wood Primer, APM49 Aluminium Wood Primer, WBP1030 Universal Primer or WBP1020 Two Pack Epoxy Primer. Followed by AU109 Synthamel Undercoat. All rust should be treated with Fertan Rust Converter *before* the application of any primer.

If you or are unsure about any of the procedures or have any questions, please call or email our Technical Team before proceeding. The key to a successful finish and for increased durability, is the amount of time spent on surface preparation prior to the application of any coatings.

**Application:**

Brush, roller, or airless spray. Supplied ready for use for brushing and rolling. When applying by roller, only use a short pile, thermally-bonded roller. Do not thin for brush or roller application. Paint should be applied, laid off and left. DO NOT attempt to back roller or over brush once it has started to flash dry. If any area is missed or not coated, allow the coating around it to dry before applying more coating to the surface. Failure to do this will cause it to lift off the surface leaving an uneven finish. Thin up to 20% by volume with UTR112 Universal Synthetic Thinners to achieve a spraying viscosity of 30 seconds BSB4 cup @ 20°C. All cold storage units and freezers should be brought to a suitable temperature and be appropriately prepared before the application of any paint, please consult our Technical Team before proceeding.

**Health & Safety: Please see MSDS sheet 300L9.****PLEASE NOTE: YOU SHOULD NOT ATTEMPT SPRAY APPLICATION UNLESS YOU ARE A QUALIFIED, PROFESSIONAL SPRAYER.**

If you are unsure about any of the procedures or have any questions, please call or email our Technical Team. We always recommend that a trial adhesion test is carried out to ensure suitability of the product on the surface you are trying to coat. Please contact our Technical Team if you are in any doubts before proceeding and please remember surface preparation is one of the key factors in achieving a good paint finish. This is time well spent as you will be rewarded with a better finish.

**Important Note:**

For internal and external work, maximum ventilation is required. To assist drying if the air flow is insufficient, fans or other mechanical methods of circulating air should be adopted. Precautions must be taken to prevent operators from inhaling the vapours during application; this may need the assistance of a second operative to monitor the first operative when carrying out application of pre-treatment and coatings. Please ensure PPE requirements are followed at all times.

Most of our products are for professional and trade/contractor use only and are not intended for DIY application. Before using any product, please read the appropriate Material Safety Data Sheet stated above. This important document is available to download from our Technical Paint Services web site. Carry out a full risk assessment for the intended use and method of application. If you are unable to carry out a risk assessment then you should contract someone qualified to carry this out for you, you should not proceed otherwise; it is your responsibility for the health and safety of yourself and others. It should also be noted that the risk of application can change and should be checked on a regular/daily basis. Technical Paint Services cannot carry this out for you either over the phone or on site.

The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the Technical Data Sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his/her own risk. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product. These are available to download from our web site. All advice we give or any statement made about the product by us (whether in this Data Sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our Standard Terms & Conditions of Sale. You should request a copy of this document and review it carefully. The information contained in this Data Sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this Data Sheet is current prior to using the product.

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**FOR PROFESSIONAL USE ONLY. READ DATA BEFORE USE.**

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