

Features & Uses

Awlgrip Trowelable Fairing Compound Standard is a 2 component solvent-free epoxy based product, non-shrinking straightedge putty for smoothing steel, aluminum and polyester surfaces.

Awlgrip Trowelable Fairing Compound Standard gives excellent adhesion to primed steel, aluminum and polyester surfaces. Adhesion of the various layers of Awlgrip Trowelable Fairing Compound Standard after sanding exceeds 2.5 N/mm².

if several layers of Awlgrip Trowelable Fairing Compound Standard are necessary, each layer must be properly sanded before the next one is applied.

Specification Data

Type: Two component solvent-free epoxy

Color: Yellow

Specific Weight: ~1.8

Hardness: ~ 82 Shore D

Packaging: Available in 10 Kg sets of base/hardner

Theoretical Coverage – 0.9kg/m² at 0.5mm of layer thickness

Coverage calculations are based on theoretical transfer efficiency of 100%. Actual coverage rate obtained will vary according to equipment choice, application techniques, part size, and application environment.

Awlgrip Trowelable Fairing Compound Standard may be applied in layers with a minimum thickness of approximately 4 mils (100 microns)

Awlgrip Trowelable Fairing Compound Standard cures in any layer thickness. At 77°F (25°C) Awlgrip Trowelable Fairing Compound Standard may be sanded after 24 hours. After 7 days at 77°F (25°C), curing is complete.

Application Equipment

At a temperature of 68-86°F (20-30°C) Awlgrip Trowelable Fairing Compound Standard is easily workable with a putty knife, trowel or spatula.

Surface Preparation

Only apply over properly applied and prepared Awlfair LW or Awlgrip primers. Awlfair LW, Hullgard Extra Epoxy Primer, Hullgard Epoxy Primer and High Build are recommended substrates/ primers. Standard E Trowelable Filler may be applied direct to Hullgard Extra or Hullgard Epoxy Primer without the need for sanding. See the relevant primer product datasheet for details. High Build must be sanded prior to application of Standard E Trowelable Filler.

Mixing and Reduction

To ensure optimal mixing, the 2 components are a different colour. After mixing, the colour of the mixture should be homogeneous. Mixing may be done mechanically (e.g. with blender) or by hand. Base and converter must be stirred separately before mixing them together. Thorough mixing of base and converter and an exact mixing ratio are essential.

Mixing Ratio: 100 weight parts base : 50 weight parts converter

Anticipated Pot Life: At 20°C : approx. 60 minutes

At 30°C : approx. 30 minutes

Application Instructions

Properly prepare and prime the surface with the recommended primer or Awlfair LW before starting any filling or fairing. Apply Standard E Trowelable Filler by putty knife, trowel or spatula to an area you can work in 20–30 minutes. Pot life and working time is dependent upon temperature. Warmer climates will decrease pot life.

For filling of sand scratches and pinholes apply thin coats of Standard E Trowelable Filler screeding it across the substrate to work the filler into the depressions.

For build layers start with thin coats in low areas and build out to high areas. Allow to cure. Several applications may be necessary to fill large areas. Block and machine sand between layers with 60 grit paper. Remove sanding dust and residue before applying more Standard E Trowelable Filler. Stop when the faired surface has a uniform surface which meets the fairing quality specified for the project.

IF AWLGRIP TROWELABLE FAIRING COMPOUND STANDARD IS APPLIED IN SEVERAL LAYERS, EACH LAYER MUST BE SANDED SEPARATELY BEFORE PROCEEDING

Warning:

It is recommended that Awlgrip Trowelable Fairing Compound Standard is stored in closed containers in a dry place, preferably at temperature of 15°C.

To avoid irritation of the skin, the use of a protective handcream and gloves is recommended. Make sure that the working area is well ventilated during the process.

Do not apply paint materials to surfaces less than 3°C (5° F) above dew point, or to surfaces warmer than 41°C (105°F). Ambient temperature should be minimum 15°C and maximum 41°C (105°F).

The information in this Product Data Sheet is not intended to be exhaustive. Any person using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk and, to the extent permitted by law. We can accept no responsibility for the performance of the product or for any loss or damage arising out of such use. The information contained in this Product Data Sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

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