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AITHON FR40

WATER BASED REACTIVE COATING FOR RIGID POLYURETHANE FOAMS

Requires F3A top-coating

TECHNICAL DATA

Colour	Transparent or white
Density	1,30 g/ml
VOC	< 25 g/l
VOC	< 20% by weight
Solids by volume	32%

DESCRIPTION

AITHON FR40 is a water based, single-pack reactive coating specifically formulated for the fire protection of rigid polyurethane foams

PERFORMANCE

AITHON FR40 grants **B-s1-d0** Reaction to fire Class according to EN 13501-1 and EN 13501-2 on any rigid polyurethane foam applied on a substrate of class D or better, with or without air gap behind. The quantity required to achieve this performance is 800 g/m² of FR40 + 50 g/m² of AITHON F3A finish coating.

APPLICATION

AITHON FR40 can be applied by brush or by spray gun. More information available in AITHON FR40 Application Sheet.

SITE REQUIREMENTS

Apply AITHON FR40 when ambient temperature is between 10°C and 30°C, and at least 3°C above the dew point. It is important that the temperature remains above 5°C throughout the drying process. AITHON FR40 should not be applied where ambient humidity exceeds 70%. Proper ventilation during application is recommended

SUBSTRATE REQUIREMENTS

AITHON FR40 does not require any primer. The surface of the rigid PU foam must be free from dust and oil. In case of existing paints, an adhesion test is required.

BEFORE STARTING APPLICATION

- Stir thoroughly AITHON FR40 by hand or by electric stirrer, avoiding creation of foam.
- Ensure appropriate PPE is available (gloves, goggles and face mask) in accordance with the health and safety data sheet.

THINNER

The product is ready to use, but can be diluted with maximum 3% tap water.

SPREADING RATE

Up to 300 g/m² (250 microns wet, 80 micron dry) can be applied in one coat in vertical position. To apply 800 g/m² of AITHON FR40 two/three coats are needed, plus one coat of AITHON F3A. The application of AITHON F3A finish is mandatory and cannot be avoided.

CLEANING

Water and neutral detergents are recommended for tool cleaning. Warm water can easily remove dry paint.

PACKAGING

Available in 20 Kg net recyclable HDPE buckets.

STORAGE and SHELF LIFE

Granted for 18 months in the original sealed pails. Storage temperature: 7 – 30 °C. Protect from freezing.

This Product Data Sheet supersedes those previously issued.

Data, specifications, directions and recommendations given in this data sheet represent only test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use of the products herein must be determined exclusively by the buyer and/or user.

Aithon Ricerche International accepts no liability for the actual application work, as this is to a great extent dependent on the conditions during handling and application. This product is intended for professional use only; this implies that the user possesses sufficient knowledge for using the product correctly with regard to technical and working safety aspects.

Product data are subject to change without notice. The latest versions of data sheets, safety data sheets and application manuals are available on our home pages www.aithon.eu or may be requested to our Technical Service.