

# Product Data Sheet



## STARBOND UL 30-36

**UL certified, Single Component, High Quality, Liquid Applied, HVAC Duct Coating**

### Uses:

- Duct Coating for Duct Thermal Insulation Materials
- Thermal Insulation and Overlap Adhesive
- Protective Coating for Insulation on AC Ducts

### Product Description

STARBOND UL 30-36 is a halogen-free, white, fire-resistive, tough, washable, abrasion-resistant, indoor coating for thermal insulation on AC Ducts. It is also used as a lagging and lap adhesive for canvas and glass lagging cloth. It has excellent brushing characteristics, which provides good coverage and more uniformly coated surfaces. It presents a neat white finish and will not yellow or become discolored with age. The surface can be washed free of grease, oil, soot and other dirt accumulation.

### Advantages

- Flexible elastomeric product.
- Non-Toxic & Non Flammable
- High Strength & Water-resistant.
- Antifungal & Antibacterial
- Easy to maintain.

### Standard Compliance

- ASTM

### Technical Properties

STARBOND UL 30-36	Typical Values & Laboratory Conditions
Base	Synthetic Resin & Selected Fillers
Available colors	White
Drying Time (RH 50%)	60 Minutes
Density (ASTM D1475)	1.25 Kg/ltr (approx..)
Service Temperature Limits – Temp at C	Temperature at Coated Surfaces -18 °C to 82 °C
Wet Flammability	No flash to boiling - 100°C
Water Vapor Permeance (Typical Average- ASTM F1249)	1.3 perms at 0.018 in. dry film thickness (0.9 metric perms at 0.46 mm). 0.7 perms at 0.03 in. dry film thickness (0.5 metric perm at 0.8mm dft) Tested at 24°C and 50% RH
Average Non-Volatile Content (ASTM D2369)	39 % by Volume (51% by weight)

SURFACE BURNING CHARACTERISTICS (ASTM E84):

Fame Spread: 0 - Smoke Developed: 5

Tested at coverage rate of 1.0 m<sup>2</sup>/l. Applied to 6.4 mm inorganic reinforced cement board. The flame spread may vary at different product thicknesses and/or when applied over other surfaces.

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## Application

Apply STARBOND UL 30-60 a brush, roll, or airless spray machine. Priming is usually not required.

STARBOND UL 30-60 should be applied only to clean dry and oil free substrates.

Container should be closed when not in use.

Application usually follows 3 steps:

1. Tack Coat at a rate of approx.. 1.0 – 1.2 m<sup>2</sup>/ltr
2. Thermal Insulation (Lagging) has to be embedded immediately in the wet material. The fabric has to be smoothed out for the avoidance of wrinkles & seams should overlap 5 cm
3. Thereafter Immediately apply another coat at a rate of approx.. 1.5 – 1.7 m<sup>2</sup>/ltr.

The dry Film Thickness varies with the selected fabric.

The protective coat can be Top Coated with water based paints - But the Test reports should confirm suitability.

## Curing Time

Set to Touch: 2 Hours

Dry Through: 15 Hours

## Cleaning:

Remove STARPROOF WF AC-600 product from tools, equipment, and mixers with clean water before the initial set. Cured material can only be removed mechanically.

## Packing & Coverage:

Product	Pack Size	Theoretical Coverage
STARBOND UL 30-60	24 Kg pail	1.0-1.7 m <sup>2</sup> /ltr per coat = Wetfilm thickness of 0.6 – 1.0 mm

Stated consumption data are for general guidance. Actual consumption depends on the nature of substrate, method of application, and wastage.

## Shelf Life & Storage:

The original sealed container of STARBOND UL 30-36 and has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 35°C.

## Limitations:

- STARBOND UL 30-36 should not be applied at ambient temperatures below 5°C and dropping.
- Store and apply between 4°C and 38°C, protect from freezing until dry.
- Always test foil and paper facings for acceptable adhesion before using.

If any doubts arise concerning application or substrate conditions, consult the STAR office

## Health & Safety:

STARBOND UL 30-36 contains an acrylic polymer that can be harmful to the skin. During use, avoid contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection, and respiratory protective equipment. The use of barrier cream provides additional skin protection. In case of skin contact, rinse with plenty of clean water, cleanse with soap and water. In case of contact with the eye, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately – do not induce vomiting.

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## Additional Information:

STAR manufactures a wide range of construction chemicals and specialty products for various applications divided into the following product sections:

1. **Waterproofing Products**
2. **Sealants, Grouts, and Joint Fillers**
3. **Adhesives**
4. **HVAC – Adhesives, Coatings & Sealants**
5. **Flooring Products**
6. **Industrial Adhesives (i.e. Paper Industry)**
7. **Accessories**

STAR Technology provides various technical information such as detailed method statements, specification clauses, application manuals and technical support both in contractors and consultant's offices as well as construction sites.

For further information on these products and systems kindly visit our website or contact your local STAR representative