

Product Data Sheet



STARFIX DG 81-10

Premium Quality, One Component, Synthetic Rubber & Solvent Based HVAC Adhesive

Uses:

- Bonding of Fibrous Insulation Materials to Metal Air Handling Ducts
- Recommended for HVAC - Exterior and Interior Application

Product Description

STARFIX DG 81-10 is a single component, commercially attractive, quick setting, synthetic elastomer adhesive designed for the interior or exterior adhesion of fibrous insulation material to metal ducts as wrapping and acoustical linings.

Advantages

- Economical
- Excellent cohesive & bonding strength
- Water resistance
- Chemical resistance
- Good wet tack
- Suitable for Middle East climate conditions

Standard Compliance

- ASTM C 916

Technical Properties

STARFIX DG 81-10	Typical Values @ Laboratory Conditions
Physical Appearance	Free Flowing Adhesive
Color	Green
Viscosity, Cps	2,500 – 3,500
Solid Content, %	24 - 30
Density, kg/L	Approx.. 0.94
Coverage, m ² /ltr	Approx.. 4 – 8
Open Time, min	5 - 10
Drying Time	60 min

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Application

Surface Preparation

All surfaces must be clean, dry and free from dust, dirt, paint, loose materials, oil, grease, sealers, curing compounds, waxes and all other contaminations.

Mixing

Stir thoroughly before using.

Application

STARFIX DG 81-10 can be applied by Brush, Roller or Trowel.

For fibrous wool & GI sheet, apply adhesive evenly with any suitable equipment (Brush, Roller or Trowel) and wait for 5 to 10 minutes before bonding the fibrous material.

For other substrates, after applying the adhesive wait until solvent is fully evaporated and assemble the surface by applying normal hand pressure.

Curing

STARFIX DG 81-10 is set to tough within 1h after application and Dried Through within 24h.

Cleaning

Remove **STARFIX DG 81-10** product from tools, equipment, and mixers with STAR Solvent before the initial set. Cured material can only be removed mechanically.

Packing & Coverage:

STARFIX DG 81-1 is packed in 15 ltr pails.

Product	Pack Size	Theoretical Coverage
STARFIX DG 81-10	15 ltr. pail	Subject to type of surface and nature of material being bonded 4 – 8 m ² /ltr

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 **STARFIX DG 81-10** has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 35°C.

Limitations:

When using other than STAR products in conjunction with STAR primers, sealers, leveling compounds, or adhesives, STAR denies any and all responsibility for any ensuing problems and/or damages without prior written authorization from STAR.

This adhesive will maintain its integrity and performance even when higher levels of moisture are present, it does not qualify as a moisture inhibitor. Not suitable for areas with excessive topical moisture (i.e. melting snow, repeated flooding, pressure washing).

Not suggested for sealing vapor barrier jackets

Health & Safety:

As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

For detailed information and advice on the safe handling, storage, and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological, and other safety-related data.

For complete Health and Safety instructions and information, please refer to STAR MSDS.

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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