



# PROBOND HI-TACK

Dated: 20/10/2017  
Version 1

## High Tack Hybrid Mounting Adhesive - Phthalate Free

### PRODUCT DESCRIPTION

**PROBOND HI-TACK** is a single component, MS Polymer adhesive designed for high / instant grab. Probond Hi-Tack has high initial green strength making it a universal product for bonding materials in horizontal and vertical applications where mechanical fixings are not desirable.

Probond Hi-Tack contains no solvents, phthalates, isocyanates/carcinogens or oils.

Probond Hi-Tack has excellent adhesion to a variety of substrates without the need for priming and minimal surface preparation.

### FEATURES

- Fast Grab
- Low Odour
- Isocyanate Free
- No Primers required
- High initial tack
- Durable
- Flexible joint
- High final strength
- Moisture resistant
- Resistance to UV radiation

### SUITABLE MATERIALS

- Concrete
- Chipboard
- Wood
- Brick
- Glass
- Baseboards
- Insulation
- Doorsteps
- Steel
- Aluminum
- Stainless Steel
- Floor Panels
- Ceramic tiles
- Cork
- Stone
- Polystyrene

### MARKETS AND INDUSTRIES

PROBOND HI-TACK is a universal product that can be used in many applications and industries. Some of these industries may include:

- Construction & Building
- Shop Fitters
- Lock Up Carpenters
- Signage Industry
- Cladding Professionals
- Automotive Assembly
- Marine Industry
- Caravan manufacturing Industry

### TYPICAL PROPERTIES

PROPERTY	VALUE
Colour	White
Density [g/ml]	1.50
Curing rate [mm/24h]	2.50-3
Skin formation time [min]	~15
Temperature resistance [°C]	<+60
Application temperature [°C]	+5 - +30
Optimal bonding temperature [°C]	+15 - +25

### ORDERING & TECHNICAL DETAILS

PROPERTY	VALUE
Stock Code	1A103874
Description	Probond HI-TACK 290ml
Specific Gravity	1.50 gm/ml
Cartridge Weight	435gm Nett
Joint Movement	+/- 25%
Shore A Hardness	55
Tensile Strength	2.98 (ISO 37)
Shear Strength	1.95 mPa (LABS 94/2018)
Elongation	>200% @ break
Skin Time	5-10 min (23°C, 50% RH)
Cure	2-3mm / 24hr
Operating Temp	0 to 40°C



# Probond Hi-Tack - Technical Data Sheet

## BENEFITS

- **PROBOND HI-TACK** is a universal product, Which means that it can be used in many applications and industries. Developed especially for its hi grab and hi strength properties, PROBOND HI-TACK is perfect for applications where mechanical fixings cannot be used\*.
- **PROBOND HI-TACK** has been developed to withstand weathering and moisture from external applications, and with low Odour, No Isocyanates and solvents, PROBOND HI-TACK is also ideal for indoor applications such as panel adhesion.
- PROBOND HI-TACK has been developed using modified MS polymer-silanized polyether technology allowing it to adhere to many different substrates without primers. This can save your customer time and money in applications where primers are commonly used.
- PROBOND HI-TACK is available in white, allowing the product to be painted with general water based paints. This makes it ideal for many applications where painting is required, and not being a black base makes painting easier and quicker.
- PROBOND HI-TACK is the perfect product for panel bonding, from the caravan manufacturing market through to boats and the OEM industry. Providing a fast grab and strong bond.

## LIMITATIONS

- Sealant should not be used on bituminous surfaces, partially vulcanized rubber, natural rubber, chloroprene or other construction materials that bleed oils, plasticizers or solvents.
- Possibility of discoloration of sealant on some surfaces and under influence of weather conditions should be taken into account.
- Do not use in totally confined spaces where it is not exposed to atmospheric moisture, because the sealant requires atmospheric moisture for curing.
- Do not use enamel or solvent based paints on Probond Hi-Tack. Contact Admil Adhesives if uncertain.
- Not suitable for bonding aquariums and terrariums.
- Sealant is not intended for applications involving structural glazing.
- It is not suitable for direct contact with food and medical uses.
- Do not apply on PE, PP without pre-testing or contacting Admil Adhesives.

## SURFACE PREPARATION

- Bonding surfaces must be free of dust, rust, old loose old material oil, grease, paint and other dirt which reduces the adhesion of the sealant. IPA or Methylated Spirits should be used to clean substrates.
- To avoid dirtiness around the gap and to maintain equal line use adhesive tapes which should be removed immediately after finishing sealing.
- Sealant does not require using primer on most surfaces but on some specific surfaces may have to use it to improve adhesion
- The sealant bead should not be wider than 25 mm and the minimum joint width should be 6 mm to allow in the construction field proper application and tooling of sealant. The ideal ratio of joint width : depth is 2 : 1.
- Prior to application, the product should be conditioned at room temperature.

## APPLICATION INSTRUCTIONS

Apply adhesive in spots or strips on the chosen substrate. Connect the bonded substrates and press evenly. It is possible to correct the position of the substrate until 15 minutes after application. It may be required to support heavier objects for the first 24 hours until the adhesive has adequate strength.

## CURING

Cure speed is dependent upon the temperature, humidity, depth of sealant and substrate. Typically, a joint will form a firm skin in ne hour and take up to seven days to fully cure. In cold or very humid climates, the cure time may extend beyond seven days.



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### DISPOSAL

Cleaning: dry cloth or extractive gasoline prior to curing, mechanically after curing.

DO NOT WASH HANDS WITH SOLVENTS

### SAFETY DIRECTIONS

Use in well-ventilated areas, and avoid breathing vapours. In case of eye contact immediately flush with water for 15 minutes and seek medical advice.

Avoid contact with skin or clothing.

Keep out of reach of children. In use, please ensure that Occupational Health and Safety requirements are observed.

**Eyes:** Irrigate with water for 10 minutes and see a doctor.

**Skin:** Wash off with warm water and soap.

If swallowed, give plenty of water. Do not induce vomiting. Seek medical attention.

### PACKAGING

**PROBOND HI-TACK** is Packaged in White 480g Cartridges

### SHELF LIFE & STORAGE

Shelf life is 12 months from the manufacturing date when stored in unopened, original package at temperatures from +5 °C to +25 °C in a dry place protected from freezing and excessive heat.

### NOTICE

The information given and the recommendations made herein apply to our product(s) alone and not combined with any other product (s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchasers' responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.