

Thermostik® 840-10 Insulation Adhesive

What is Bakor Thermostik® 840-10?

Bakor Thermostik® 840-10 is a pourable two component roof insulation adhesive.

With what types of insulation can Thermostik® 840-10 be used?

Thermostik® 840-10 is compatible with all rigid insulation's, including foil and felt faced polyisocyanurate, extruded and expanded polystyrene as well as Bakor Re-Cover Board. Safe for use even where *modifiedPLUS*® membranes are torch applied. Use on wood, concrete or steel decks and over vapor barriers. No mechanical fasteners required.

How does it work?

Mix component "A" and "B" together using a 1/2" drill designed for the purpose. This starts a chemical reaction, which renders the adhesive slightly more fluid at first then curing, and thickening of the adhesive happens within a few minutes.

What conditions affect the curing process?

As with most chemical reactions, the warmer the temperature the faster the cure.

How is Bakor Thermostik® 840-10 applied?

Bakor Thermostik® 840-10 is poured out in 3/8" (9mm) wide ribbons spaced at 1' centres. Insulation follows closely behind and is "stepped" in to ensure good contact.

What are the advantages of using Thermostik® 840-10 over hot asphalt?

Thermostik® 840-10 allows more open time. With hot asphalt, the insulation must follow within seconds. Thermostik® 840-10 allows roofers up to 15 minutes working time and therefore less standing around - time is money! The insulation can be placed right away, the high viscosity of Thermostik® 840-10 grabs and holds the insulation.

Using Thermostik® 840-10, there is no risk of melting polystyrene.

There is virtually no odour involved in using Thermostik® 840-10 therefore no disruption to the building occupants. The safety issues involved in having a *hot* kettle on the ground and *hot* stuff up on the roof are eliminated. Less material is required since Thermostik® 840-10 is applied in ribbons. Also, there is less skill involved in applying Thermostik® 840-10 making the job much simpler.

On high rise buildings, downtown situations, or projects with difficult access, Thermostik® 840-10 is the perfect solution.

What are the advantages of Thermostik® 840-10 over mechanical fasteners?

On concrete roof decks, mechanical fastening is very noisy, time consuming and costly.

On wood or steel roof decks mechanical fastening is also noisy and risky since electrical lines are usually secured to the under side of the deck.

Thermostik® 840-10 means - Less noise for the occupants

No chance of screwing or nailing through hidden electrical lines. Reduced disruptions inside the building. Happier owners.

But isn't using adhesives more expensive?

If you look only at the material per square foot price, the answer is yes.

However, when we take into account issues such as safety, disruption to the owner and related additional costs Thermostik® 840-10 comes out on par.

Finally, when you consider that a system installed utilizing Thermostik® 840-10 is many times faster to install than conventional methods, Thermostik 840-10 is much more economical than conventional methods.

Why use Thermostik® 840-10 when I could use a single component adhesive?

Thermostik® 840-10 is chemical setting. This means no solvent content and no problem curing between impervious layers..

Are there any restrictions in applying Thermostik® 840-10?

Thermostik® 840-10 Roof Insulation Adhesive is designed to be installed at temperatures down to minus 10°C. It is very important to store the adhesive in a warm environment to facilitate mixing. The adhesive thickens at cold temperatures.

So is Thermostik® 840-10 safe to use where *modifiedPLUS®* membranes will be torch applied?

Yes, Thermostik® 840-10 contains no solvent and will not flash or burn readily.

How much cure time is needed?

Due to it's high viscosity, Thermostik® 840-10 will hold the insulation in place on application. A strong bond occurs in about 1/2 hour. Actual cure on site will vary somewhat with relative humidity and temperature. <>