

## DIRECT AND DOUBLE STICK BONDING OF CARPETS

Nuplex made and supply a broad range of carpet adhesives. Some are specific for direct bonding of carpet while others are designed for double stick (carpet to underlay). Some adhesive are specifically designed for synthetic carpets and others are only suitable for jute backed carpets. It is very important to select:

- The right adhesive.
- Understand the type of carpet being laid.
- To apply the correct spread rate of adhesive for the carpet type.
- The correct timing and method of installation.
- To consider the temperature and humidity at the time of application.
- Use a heat bond tape

Some adhesives will work on particular carpets if a higher spread rate of adhesive is applied.

### DOUBLE BOND

1.0 Premium Double Bond system ( carpet to underlay)

### ADHESIVES(S)

Goldstix

### HEATBOND TAPES

ST112F or Koolglide double Bond

Premium base Bond system ( Underlay to floor)

Goldstix

2.0 Standard double Bond system ( carpet to underlay)

Goldstix or Ultrabond,

ST112F or Koolglide double Bond

Standard base Bond system ( Underlay to floor)

Super 7, Or Goldstix or Ultrabond

### DIRECT STICK

Premium Direct stick system ( carpet to subfloor)

Goldstix

ST112F or Koolglide double Bond

Standard Direct system ( carpet to subFloor)

Goldstix, Ultrabond, Super 7

ST112F or Koolglide double Bond

### ENVIRONMENTAL CONDITIONS

In cold and/or damp conditions use low water content adhesives (Goldstix) in all applications.

### COVERAGE

Choose the PREMIUM system for commercial applications with frequent cleaning, roller chairs and traffic intensity.

Specific coverage rates apply for direct stick and double stick situations (refer to specific product data sheet) depending on the carpet backing type. More adhesive is applied for bonding carpet to underlay than underlay to substrate.

Bond strength and bond lifetime is directly related to the amount of adhesive applied per m<sup>2</sup>.

Allow the glue to tack up ( without drying off). Lay the carpet into the glue and roll lightly with a 16 kg roller.

NB: Not allowing the glue to tack up & rolling too heavily and too quickly will mean this action could force the adhesive into the underlay or carpet backing resulting in little adhesive at the bonding interface. Failure may result. "Adhesive disappearance" is often caused by these actions.

Good trade practice would define that bonding synthetic action-bak carpets would require more adhesive than jute back carpets. Commercial trowels (eg: Nuplex Versablades) define the type of trowel for specific applications. Use new notches, do not push too hard onto the underlay as this will reduce adhesive application. Hold the trowel vertically. Worn trowels are not acceptable.

Using weak adhesives or low spread rates on the undelay to substrate with the aim to allow easy future uplift may result in premature failure and de-bonding. Adhesives should be used to provide bonding.

### HEATBOND TAPES

Use Nuplex Heatbond tapes in conjunction with double bond carpet installations (bonding carpet to underlay to floor). Use Nuplex St112F tape on the carpet joint. Do not apply adhesive on the tape area. ST112F tape has a sticky base which allows it to be positioned on the underlay.

The Heatbond iron will then fully bond underlay, carpet and joint. This process will prevent carpet peaking over active carpet-underlay joints.

The bonded joint is also more waterproofed in commercial, regularly cleaned area.

Using ST112F on direct stick carpets will also help reduce joint opening in commercial areas.