

KlevaKlip – Adhesive System Explanation

Construction Adhesives when used with ModWood and KlevaKlip:

As one of the base ingredients in ModWood is High Density Polyethylene (HDPE), the adherence of many construction adhesives to ModWood is nowhere near as strong as they are to timber. However, some adhesives have been shown to still have some adherence.

The Bostik “Zero Nails” and the “Solvent-based No More Nails” have excellent adherence to ModWood but limited elasticity in the clip, whereas the Fullers “Toolbox” and the Sika “11FC” have lower adherence but higher elasticity. All of the above adhesives have been shown to work very well within the KlevaKlip system.

The ModWood Natural Grain Collection boards have a groove along the side to accommodate the “teeth” of the KlevaKlip. This gives the board excellent holding power within the clip, even without the use of adhesive. ModWood is therefore far less reliant on the holding power of the adhesive than is the case with natural timber (which doesn’t have a side groove). The addition of adhesive however, serves to:

- Give some assistance to holding power of the clip
- Prevents any possibility of board rattle in the clip
- Provides a very stable base for the board to sit in the clip
- Helps to provide a very soft, quiet feel for someone walking on the deck
- Assists in preventing any moisture penetrating the joist through the top of the screw/nail that holds the clip to the joist on top-fix clips.

It should be noted that, in addition to the normal holding power of the ModWood/KlevaKlip/Adhesive combination, a typical property of ModWood is that due to the “normalization” of the wood fibres once the boards have been laid on the deck, the boards themselves generally expand in width by approx 0.5 – 1.0mm. As such, over a period of approximately six months, the boards will further tighten in the KlevaKlip.

Construction Adhesive when used with Timber and KlevaKlip:

Gives all the above advantages and has superior holding power to the timber, plus will minimise the chances of any warping, twisting or cupping whilst in the Klevaklip.