



## Protite R-131 Construction Adhesive

Protite R-131 is a professional multi-purpose synthetic elastomer based adhesive specially formulated to eliminate much of the nailing required for construction purposes. The product will not slump on vertical surfaces and has excellent adhesion to a wide variety of construction materials including wood, plasterboard, MDF & particle board, concrete & masonry, aluminum, galvanized iron, steel, tiles & ceramics, fibrous cement sheeting, wall and floor paneling. Protite R-131 is also safe to use on polystyrene and polyurethane foam and mirror backed tiles.

### Features

- High strength
- Polystyrene & polyurethane foam compatible
- Mirror paint backings compatible
- Overpaintable when dry

### Typical Properties

Color	Brown
Solids	Approx. 76%
Viscosity	Approx. 180,000 cps @ 25°C, #7, 10 RPM Approx. 1,800,000 cps @ 25°C #7, 1 RPM
Lap Shear	Average 146 lbs/in <sup>2</sup> (cotton backed PVC to steel, 1 min open time and conditioning for 24 hours at 20°C)
Specific Gravity	Approx. 1.15
Heat Resistance	Approx. 84°C

### Uses

- Paneling and flooring
- For installing mirror back tiles, architraves, cornices, trim and molding
- As a general purpose adhesive
- To replace nailing and to reduce or eliminate squeaks and bounce associated with nail ride in floors
- To reduce number of mechanical fasteners required

### Limitations

Protite R-131 is not suitable for water immersion. The product should also not be used under direct sunlight and where the temperature exceed 80°C

### Packaging

320 g. cartridge, 24 cartridges/carton

## **Application**

Protite R-131 can be applied either as a 2-way contact or a 1-way wet stick adhesive. In both cases, the first requirement is that both surfaces to be bonded are clean and dry and free of grease, oil or dust. Any loose or flaking paint must be removed and preferably lightly sanded before application. (Substrate surface temperatures should not exceed 30°C and the product should not be used where continued exposure to elevated temperatures will occur)

### **2-Way Method**

Press firmly over entire surface to transfer adhesive and then pull both surface apart. Allow to tack off for a few minutes (3-5 minutes depending on ambient weather conditions and the reposition) and press firmly together. Contact areas should be tapped with a hammer and padded block to ensure intimate contact. Pending on the weather conditions and surfaces bonded, maximum bond strength will take from 12-72 hours to be reached. Some weighted panels may require temporary mechanical fastening that should be retained for at least this period.

### **1-Way Method**

This method is particularly recommended for heavier panels or those that are formed to place a loading or stressed memory on the bond line.

After applying adhesive and bringing substrates together, they should be sufficiently clamped, nailed or screwed in a fashion that maintains maximum surface contact at bonded interfaces. Mechanical fasteners should be retained if highly stressed, but temporary fastening can be release after a minimum of 24 hours. For flooring application, the adhesive should be applied to the flooring manufacturer's specifications. To stop floors squeaking, apply a bead of adhesive into the groove of each panel after it is laid and immediately prior to mating the tongue from the next panel.

## **Coverage**

A 6 mm diameter bead approximately 6-10 meters long can be dispensed from a 320 g cartridge.

## **Clean Up**

Remove uncured adhesive with xylene or scraper. Cured adhesive is best removed by scraping or sanding.

## **Storage**

Store inside where possible, out of direct sunlight. Storage areas should be well ventilated and kept to a maximum of 25°C.

## **Caution**

- Keep away from children.
- Highly flammable. Beware of the vapor. Do not use near flames, fire or spark producing equipment.
- Intentional misuse by deliberately inhaling vapors can be harmful or fatal.

### **Limited Warranty**

The information contained in this Product Information Sheet is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond Ngerm Ma Business's control, it is the responsibility of the customer to thoroughly test any proposed use of the sealant and independently conclude that Ngerm Ma Business's product is safe, effective and fully satisfactory for the intended end use. Ngerm Ma Business's sole warranty is that the product will meet the sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to replacement of any product shown to be other than as warranted. Ngerm Ma Business specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability.

## **Ngerm Ma Business Co., Ltd.**

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FS 94257  
(ISO 9001 : 2000)