



MANUAL SECTION  
*Adhesives*

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## **Chemet Polyurethane Adhesive**

**Chemet** is formulated for installing modern wooden flooring, rubber, as well as all wood-parquet flooring systems. It is a single component, flexible polyurethane adhesive. This flexibility allows for normal movements of timbers being bonded. It is water-resistant and creates a very strong bond.

### **FEATURES:**

- Tough, yet resilient bond. Allows timber expansion.
- Solvent Free: no effect on moisture sensitive timbers.
- Very High solids content, therefore gap filling.
- Prevents "drumminess" on uneven floors.
- Will adhere well on concrete and/or timber.
- Suitable for : Timber Floorings, rubber, VCT tile.

### **CAUTION:**

1. Moisture cured: opened containers will commence to cure and gel
2. Bonding timber to on-grade concrete requires a very effective waterproofing membrane and dry concrete. Timber expansion due to moisture is the cause of many failures.
3. Always test bond an area to determine the suitability with the material being adhered. **Not suitable** directly onto wet substrates.
4. Chemet will cure to hold the shape of imprints. Do not walk on or move the flooring until it is fully cured

### **TYPICAL PROPERTIES:**

**Type:** Single component moisture cured polyurethane mastic  
**Solid Content:** Approximately 100%  
**Viscosity:** Mastic  
**Flashpoint:** Not flammable; VOC free; Zero water content  
**Storage:** 24 months in unopened containers  
**Packaging:** 5 Lt metal tins

### **SUBSTRATE PREPARATION:**

Ensure the substrate has a DPC. Use Aquaguard 101 if in doubt. Caution: if Aquaguard 101 is used, ensure that shot blasting is used as the concrete pre-treatment. Ensure that at least 72 hours has passed since the last application of Aquaguard 101 before adhesive is applied i.e. ensure Aquaguard 101 is fully cured and dried. It is highly recommended that if moisture is suspect and waterproofing membranes are applied, then prior to that the floor is ground flat and levelling compounds are not used. This is to avoid delamination of the levelling screed if expansion / contraction of the timber flooring occurs.

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## Chemet (cont'd)

### APPLICATION:

Keep adhesive at normal room temp (18c) for use. Chemet is applied with a notched trowel to prepared concrete, Timber, particle board or plywood. Ensure all substrates are clean, dry, smooth and oil and dust free.. Notch sizes and coverage rates:

### Note:

These are guides only and the use must determine (via the sample) the correct requirement for the material being adhered. Ribbing on the back of the bonded material will affect the rate required.

#### Coverage

<b>Laminated Plant:</b>	1.5 - 2m <sup>2</sup> /Lt
<b>Parquet:</b>	2-3m <sup>2</sup> /Lt
<b>Composite Sheets:</b>	1 - 1.5m <sup>2</sup> /Lt
<b>Rubber:</b>	2 - 3m <sup>2</sup> /Lt
<b>Other materials:</b>	Please consult Nuplex

Apply the adhesive to the prepared substrate. Apply the material into the adhesive, checking regularly that transfer of wet adhesive does occur to the back of the material being installed. Once trowelled, the floor covering should be laid into the wet adhesive within 15-20 minutes. Ensure the adhesive is wet and does transfer under pressure to the back of the floor covering. Correct installation demands a full adhesive spread, **not** spot application. Do not allow Chemet to set on the material surface. Carefully wipe clean with min. turps. (Do not allow turps to sit on the surface.) Roll with an appropriate heavy steel roller to achieve uniformity. Only roll while the adhesive is still wet.

Chemet sets by curing, not drying. Cure is normally overnight..

### Note:

The coverage rates of the adhesive are crucial to a good final result.

Roll the floor **within 1 hour** of adhesive application.

Take care when laminating sheets and planks to concrete floors that the adhesive bond does cover the full surface area (i.e. take care of sub-floor undulations). Chemet is a "bedding" type adhesive and relies on total surface area bonding.

### CURE TIME:

Timber will be well bonded within 24 hours.

### CLEAN UP:

Nuplex Cleaning Solvent. Caution flammable.