



NOVASPRAY FD170 USER MANUAL

User Guide

NovaTherm's NovaSpray adhesive is a high performance, non-chlorinated solvent using CO2 as a propellant for bonding NovaTherm NovaPanels over flat concrete, screed and wooden substrate floors.

Storage of NovaSpray FD170

Do not store adhesive spray in a cold environment or directly on a cold concrete floor, for best results NovaSpray FD170 spray adhesive and surfaces being bonded should be above 16°C.

Before Use of NovaSpray FD170

All subfloors must be flat or made flat prior to installation, uneven surfaces will result in poor contact between NovaTherm NovaPanels and the substrate floor, this can then result in issues with the final floor covering. For best results the surfaces to be bonded together must be clean, dry and free from dirt, dust, oil, loose paint, wax, grease, polish or any other contaminate that will prevent adhesion.

If Applying Over Timber Subfloors

Ensure all timber substrates are structurally sound, that damaged boards replaced, and loose boards fixed down solid. Old floorboards will need to be covered with a ply prior to installed as you will find old floor boards have convex or concaved surface due to distortion which happen naturally over time.

If Applying Over Existing Tiled Floor and Non-Porous Floors

Ensure all timber substrates are structurally sound, that damaged boards replaced, and loose boards fixed down solid. Old floorboards will need to be covered with a ply prior to installed as you will find old floor boards have convex or concaved surface due to distortion which happen naturally over time.

Application of NovaSpray FD170

It is advised to dry lay panels and cut to size prior to installation. Numbering panels will aid in selecting correct panels before bonding.

Step 1: Ensure Floors are flat, dry and clean from dust, debris and any contaminants.

Step 2: Prime the floor with Ultra Floor Prime It Multi-Surface Primer and allow to fully dry. Please follow manufacturer guidelines for subfloor preparation.

Step 3: Shake the NovaSpray FD170 spray adhesive can vigorously prior to use. Check compatibility by spraying a small test patch of the spray adhesive onto the substrate surface. If the spray pattern is uneven then this is a sign that the adhesive is too cold.

Step 4: Keeping a distance of 10cm-20cm from the surface, angle the can and begin to apply in an even and uniformed coat, creating a minimum of 90% coverage on both the subfloor and the NovaTherm NovaPanel.

Step 5: Prior to laying the NovaTherm NovaPanels to the subfloor, allow NovaSpray FD170 to go tacky.

Step 6: Lay the NovaTherm NovaPanels to the subfloor and press down, applying adequate pressure to achieve maximum bonding between the surfaces. If installed to Timber floors, it is recommended to second fix with screws and washers at every 300mm spacings. Once the NovaPanels have been laid using the above steps, refer to the NovaTherm NovaPanel/ NovaPro Installation Guide's for guidance installing the NovaTherm water system and reference to panel preparation for floor coverings.

