

PANEL BOARD RELEASE AGENT

RELEASE 881

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Ideal for multiple or single opening presses where the retention time from spraying to pressing is longer

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2021

A BIT ABOUT 881

Description

Designed exclusively for Nelspray, Release 881 is a concentrated neutral based product ideally suited for PB or MDF lines running 100% fresh pine with slower to medium line speeds. Ideal for multiple or single opening presses where the retention time from spraying to pressing is longer.

This product is designed for lines running UF and MUF based resins to eliminate costly platen and steel belt contamination. These contaminations cause surface irregularities and reduce heat penetration adding costs to the bottom line.

The release agent is applied to the surfaces of the mat creating a barrier between the product, press platens or steel belts.

When diluted in water and sprayed using a quality spray system, capacity increases up to 12% can be achieved on thick board. When applied to thin board production, surface soundness is easily improved due to the consolidation of resins and particles, which reduces paint absorption.

Cost Benefits

- Higher capacities, up to 12%.
- Cleaner platens for multiple opening presses reducing costly platen cleaning.
- Cleaner press belts for continuous presses avoiding heat transfer loss.
- More controllable through panel density profiles.
- More stable production due to consistent moisture at the heat source.
- Improved surface soundness achieving customer satisfaction.
- Reduced fire risk by minimizing dust expulsion at continuous press infeed.

Application

Release 881 has a high water solubility so can be diluted to a 2-5% concentration in water. For thin board, spray rates of 7-15g/m² will achieve surface quality improvements and eliminate platen or steel belt build-ups. For thick production, rates of 15-30g/m² will give the desired capacity increases in the case that the furnish supply is unlimited.

Technical Information

Clear liquid with a mild odour, PH 7, specific gravity 1.05. Store in a cool dry place.

