## GeorgiaPacific

# RESI-BOOST® Adhesive Technology 

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## RESI-BOOST® ${ }^{\circledR}$ Adhesive Technology

Key Benefits

- Lower Resin Usage
- Decreased Cycle Time
- Increased bonding around knots and juvenile wood
- Downfall Reduction
- Prepress Consolidation
- Product Application


## RESI-BOOST

RESI-BOOST® Adhesive Technology Field Testing $1 / 2$ " 4 -Plies


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## RESI-BOOST

Reduction in spread levels


## RESI-BOOST

## RESI-BOOST® Adhesive Technology Decreased Cycle Time

Reduction in hot press time


Douglas Fir
Press Time Reduction
10\% - 18\%


Southern Yellow Pine
6\% - 22\%

RESI-BOOST ${ }^{\circledR}$ Adhesive Technology

Increased bonding around knots and juvenile wood

## DEMONSTRATED BENEFITS IN LABORATORY EVALUATION

CONTROL
Standard spread rate
4.5 min Press Time

7\% Veneer


RESI-BOOST ADHESIVE TECHNOLOGY
20\% reduction in Spread Rate
4.5 min Press Time

7\% Veneer


Equivalent amount of wood failure in RESI-BOOST Adhesive technology versus Control depicts strong resin bonds at lower glue spread

## RESI-BOOST® Adhesive Technology

Downfall Reduction

## RESI-BOOST® ${ }^{\text {Technology reduces Mill Downfall }}$

- Douglas Fir
- 0.2\% reject reduction
- Southern Yellow Pine
- 0.5\% reject reduction



## RESI-BOOST

RESI-BOOST® Adhesive Technology Customer Value Example

| Process | RESI-BOOST ${ }^{\oplus}$ Adhesive Technology Example Value \$M |
| :---: | :---: |
| Plywood (DF) | Up to \$ 250 per mill |
| Plywood (SYP) |  |
| LVL |  |
| Current Industry Value | \$ 1029 |

$$
\text { Value }=\text { Press Time }+ \text { Spread Reduction }+ \text { Downfall Reduction }
$$

## RESI-BOÓST

# RESI-BOOST ${ }^{\circledR}$ Adhesive Technology Additional Benefits 

Pre-press consolidation 圈 Reduced tendency for dry out

Removing excess water from the glue increases its tackiness.
The prepressed panels hold their consolidation better \& longer, allowing stronger glue bonds to form throughout the panel during hot pressing.

## RESI-BOOST

## RESI-BOOST® Adhesive Technology

 Product Application
## Why isn't every mill running this product?

- Training
- Knowledge sharing
- "It changes the way we make plywood"
- Quality Manager at a premium plywood facility


## RESI-BOOST ${ }^{\circledR}$ Adhesive Technology <br> Contact Information

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