

WOOD PLASTIC COMPOSITE (WPC) MFR SHEET AND DECKING

AVIENT SOLUTION

Cesa™ WPC Processing Enhancement Additive

WHY AVIENT?

- Offered WPC product design expertise to exceed customer performance requirements
- Used advanced lab capabilities to optimize formulations, ensuring efficient manufacturing and successful implementation in customer's equipment
- Provided a PPA solution that offered energy savings, process optimization, a dust-free environment, and extended manufacturing run times
- Delivered a lower let down ratio, resulting in increased productivity and profitability

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KEY REQUIREMENTS

- Procure a high-performance polymer process aid (PPA) to blend with WPC profile extrusions
- Achieve compatibility with a mono-core extrusion formula (wood flour bio-filler and virgin PE) and a capstock surface aesthetic
- Enhance processing in a clean manufacturing environment while reducing energy and material usage, and diminishing dust
- Realize a lower carbon footprint for improved Life Cycle Analysis
- Gain lower pressure extrusion with highly weatherable, environmentally stable chemical resistance, and no edge swell