



CBP-DURATION™ – De-Icing Performance Enhancer

Product Description:

The Columbia Pulp mill near Starbuck Washington utilizes a unique and proprietary pulping process to convert wheat straw into paper pulp and other high-value liquid biopolymers that are comprised mainly of carbohydrates, lignin and other organics.

This winter maintenance product is non-toxic to local waterways, animals, and plants and is non-corrosive to vehicles and concrete surfaces. Unlike other agri-based products, CBP-DURATION™ is not derived from - nor does it compete with - food or feed sources, and out performs other organic additives as a performance enhancer for chloride anti-icing, pre-wetting, and stockpile treatment.

CBP-DURATION™ is an American-made tree-free derivative of wheat straw, without the objectionable odors and biological growth problems common to lignosulfonate and without the quality and availability inconsistencies common to other agri-based products. This biopolymer is fully miscible and may effectively be used for stockpile pretreatment for cost-effective winter snow and ice control programs. This natural stabilizer improves surface binding and snow penetration to reduce ice adhesion to road surfaces, and prolongs chloride performance before, during, and after snow and ice events.

Non-Toxic Bio-chemical Formulation

CBP-DURATION™ is a biopolymer that optimizes product adhesion to road surfaces. Mixed with Chloride solutions (NaCl, CaCl₂, MgCl₂), CBP-DURATION™ will stay put where applied resulting in up to 40%-50% dry salt savings and 20%-30% liquid Chloride savings. Unlike lignosulfonate, CBP-DURATION™ does not easily wash away by ice-melt or rain, prolonging activation.

Freeze & Corrosion Inhibitor

CBP-DURATION™ outperforms other organic additives like molasses, sugar beet juice, and corn derivatives for corrosion inhibition, freeze prevention, and significantly enhances performance of rock salt and brines. CBP-DURATION™ will improve snow and ice penetration, duration, and reduce corrosivity and toxicity of these common snow and ice control treatments.

Solution ratios of 30% by volume CBP-DURATION™ mixed with chlorides (MgCl₂ and CaCl₂, NaCl) have shown to nearly eliminate carbon steel corrosion effects of the chlorides, reaching single digit PNS scores.

Sustainable Cost Advantage

CBP-DURATION™ is derived from wheat straw residue grown and harvested in the Pacific Northwest and is produced in America. The environmental footprint of this highly effective snow and ice treatment is far less than all of the alternatives on the market. High value performance coupled with competitive pricing render CBP-DURATION™ as a budget booster and should be a part of any environmentally preferred road maintenance procurement plan.