



ORIGINAL INTUMESCENT FORMULA

General

ColdDragon™ is a fire-retardant material intended for application to construction products, timber structures and polyurethane insulating foam. Its intumescent action provides excellent protection in terms of flame retardant, thermal insulation and weather-resistant properties. **ColdDragon™** products are safe. They are 100% asbestos free, contain no halogenated product, have a very low VOC rate, and are also hypoallergenic. **ColdDragon™** protective coating is a Class A flame retardant according to Canadian and U.S. industry standards. **(ASTM E84) & (ULC S102)**

Description

ColdDragon™ is a non-combustible product to be applied as a liquid coating which, when solidified gives us a moisture and flame-resistant finish to construction products as well as to wood surfaces in addition to providing increased protection against fungus and molds.

Color & Finish

The application of **ColdDragon™** results in a solid coating that is initially white in color but can be colored into pastel shades such as gray, green or blue, and leaves a smooth, even finish with very low sheen.

Insulation

ColdDragon™ provides effective thermal protection by completely isolating the coated materials from the effects of heat.

Water Resistance

ColdDragon™ makes the coated substrate water-resistant and prevents the potential development of mold and yeast.

Weather Resistance

ColdDragon™ finish is intended for indoor and outdoor use. Highly resistant, it can withstand prolonged exposure to normal climatic conditions and does not represent a risk for the environment. A UV resistant protective layer is recommended for prolonged outdoor use.

Technical Data

Polymerization	Fast
Solid content by weight	61.3 %
pH	8.0 - 9.0
Viscosity	130 – 140 kμ
Minimal Thickness of Coating (wet) *	15 mils *
Specific Gravity	1.315 g/cm3
Cleaning	Water + Soap
Minimum Application Temperature	8°C
Dry Time to Touch (Air Dry)	40 - 60 minutes
Dry Time to Manipulate (Air Dry)	4 hours
Freeze Thaw Resistance	Yes. 2 to 3 cycles
Application	Airless

* This thickness is for guidance only. For your specific needs, please contact us to determine the best adapted procedure.

Mixing

ColdDragon™ is sold as a ready-to-apply formula. It must be stirred completely before use. Do not dilute.

Surface Preparation

Surfaces intended to receive **ColdDragon™** application must be cleaned and dry. Preparation of wooden surfaces is essential for optimal results. Waxes, oil, grease and water should be removed for maximum coating performance.

Storage

Despite its resistance to freezing, it is recommended that this product be stored at a minimum of 20°C for application in cold weather (15°C and below).