

## SPECIFIC DATA

- **General**

ColdDragon®™ is a sprayed fireproofing material intended for applications to construction wood products and wood structures. Its intumescent action provides an excellent flame retarding protection, thermal insulation and water resistive properties. All ColdDragon products are 100% asbestos-free, 100% solvent-free and non-allergenic.

- **Description**

ColdDragon®™ is a non-combustible product applied as a solid coating on wood surfaces. It is manufactured to require no mixing and sold as a ready-to-apply formula.

- **Color & Finish**

ColdDragon®™ application on surface results in a solid green coating with a rough finish.

- **Insulation**

ColdDragon®™ provides an efficient thermal barrier insulating completely coated materials.

- **Water Resistive**

ColdDragon®™ provides coated wood with a full resistance to water and potential mold development.

- **Weather Resistive**

ColdDragon®™ is intended for interior as well as exterior application. Highly resistant, it can sustain extended weather exposition and does not represent a risk for the environment.

- **Technical Table**

Polymerization	Fast
Solid content (%)	54
pH	Neutral
Viscosity	900 – 2200 cps
Minimal thickness of the coating (wet)*	15 mils
Particles size	400 – 800 μ

## SURFACE PREPARATION

- **General**

Surfaces to receive ColdDragon®™ must be cleaned. The preparation of the wood surface is essential for optimal results. Oil, grease and water must be removed for maximum adhesion of the sprayed coating.

- **Test Recommendation**

Prior to the full application, we recommend a spray test on a small area of the desired surface to ensure adhesion.

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

## APPLICATION EQUIPMENT

- **Compressor**

Liquid pressure: 1800 – 2400 psi  
Air pressure (if assisted): 125 psi

- **Hoses**

We recommend a hose of 1/8", sustaining a pressure up to 3300 psi.

- **Nozzle/Gun**

Rac X LTX 217 (or equivalent equipment)

- **Factory Application**

Contact us for specific information on factory integrated applications. We provide expertise to support our customer in equipment and application chain for industrial production of fireproof wood material.

## MIXING

- **General**

ColdDragon®™ requires no mixing and is sold as a ready-to-apply formula.

## APPLICATION PROCEDURES

- **General**

The typical thickness applied on wood for up to 20 minutes of flame resistance is of 15 mils (wet). For specific requirements, contact us to determine what procedure is most suitable for your desired application. Thickness of the coating determines the resistance to fire in time.

ColdDragon®™ should be applied as a uniform coating on the entire surface to ensure optimal results.

- **Drying**

The complete drying time of the ColdDragon®™ coating is between 30 and 45 minutes and depends on the aeration and the ambient humidity level.

- **Factory Application**

Contact us for specific information on factory integrated applications. We provide expertise to support our customer in application procedures for industrial production of fireproof wood material.

## APPLICATION CONDITIONS

Condition	Surface	Ambient	Surface Humidity
Minimum	7°C (44.6°F)	7°C (44.6°F)	0%
Maximum	35°C (104°F)	40°C (104°F)	19%

## TESTING / CERTIFICATION

- **General**

ColdDragon®™ is certified with the Standard Test Method for Surface Burning Characteristics of Building Materials (ASTM E-84) on wood for factory applications.

ColdDragon®™ is certified with the Standard Method of Test for Surface Burning Characteristics of building Materials and Assemblies (ULC-S102)

We offer expertise to our customers to assist them in certifying their own products and services with the use of ColdDragon®™ for fireproofing.

For any need in certification or testing, contact us.

## CLEANUP & SAFETY

- **Cleanup**

Cured overspray material requires minimal cleaning and does not represent a risk. Use water and soap to clean.

- **Safety**

Refer to the ColdDragon®™ Safety Data Sheet available for download on the ColdDragon website.

## PACKAGING, HANDLING & STORAGE

- **Package**

5 gallons (20 liters)

- **Weight**

19.25 kg (42.35 pounds)

- **Storage**

For optimal shelf life, store indoor in a sealed container at room temperature (20°C).

## WARRANTY

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. Users must contact Les traitements de surface Terra Nova Inc. to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Les traitements de surface Terra Nova Inc. quality control. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY LES TRAITEMENTS DE SURFACE TERRA NOVA INC., EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ColdDragon® and ColdDragon industrial® are registered trademarks of Les traitements de surface Terra Nova Inc.