

Project History for Ceramic Insulation Coating Applications

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***Weyerhaeuser Canada.***

(Grande Prairie Pulp Mill)

**Green liquor tank**

350 sq. ft. applied at a 40 mil thickness

**Filter weir box**

40 sq. ft. applied at a 100-mil thickness.  
The working surface temperature was 360<sup>0</sup> F

**Smelt pot cooling tank**

250 sq. ft. applied at a 60-mil thickness.  
The working surface temperature was 120<sup>0</sup> F

**U 8 C piping**

Applied at a 120-mil thickness.  
The working surface temperature was 500<sup>0</sup> F

**H & V Ducting**

2000 sq. ft. applied at a 20 mil thickness to eliminate  
(condensation)

**Polisher piping assembly**

100 in. ft. various size piping, applied at a 80-mil thickness.  
The working surface temperature was 280<sup>0</sup> F

**P.R.P. outlet ducting**

3000 sq. ft. applied at a 40-mil thickness.  
The working surface temperature was 200<sup>0</sup> F

***Weyerhaeuser Canada.***

(Slave Lake Alberta.)

**Conveyor-chute, mill to burner**

1500 sq. ft. applied at a 60-mil thickness.  
Plus insulation requirements

**Careen bin incline chute**

1000 sq. ft. applied at a 60-mil thickness.  
Plus insulation requirements

***Weyerhaeuser Canada.***

(Edson O.S.B. Mill Alberta)

**E.F.B.(electrified filter bed units) (4) units**

800 sq. ft. applied at a 80-mil thickness.  
The working surface temperature was 240<sup>0</sup> F

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### ***Weyerhaeuser Canada.***

(Drayton Valley Alberta O.S.B. mill)

#### **Cyclone Blower Tower**

2000 sq. ft. applied at a 60-mil thickness. Insulation & protective coating requirements.

#### **Cyclone units.**

2000 sq. ft. applied at a 60-mil thickness.  
The working surface temperature was 260<sup>0</sup> F

#### **Inlet 8 Outlet I.D. Piping.**

800 sq. ft. applied at a 40-mil thickness.  
The working surface temperature was 300<sup>0</sup> F  
(Plus heat retention for process system)

#### **Cyclone blower unit**

450 sq. ft. applied at a 40-mil thickness.  
The working surface temperature was 260<sup>0</sup> F

#### **Metal roof coatings**

4500 sq. ft., complete repairs to metal roof section over O.S.B. storage. (Thermal shock control & leaking repairs.)

### ***Alberta Newsprint Inc.***

#### **Underside screw cress bunkers**

1500 sq. ft. applied at a 20-mil thickness.  
(For protection to the polyurethane foam insulation.)

#### **Metal roof section**

25,000 sq. ft. applied at a 20-mil thickness.  
(For thermal shock control & leaking roof repairs.)

### ***Ipsco Inc***

(Red Deer Alberta)

#### **Metal roof**

35,000 sq. ft. applied at a 20-mil thickness.  
(For thermal shock control & leaking roof repairs.)

### ***Molsons Brewery***

(Edmonton Brewery)

#### **Beer chiller vessels**

300 sq. ft. applied at a 60-mil thickness.  
(Application controls condensation, corrosion, & insulation.)

#### **Pastureizer control valves**

Applied at a 60-mil thickness.  
Minimum sq. ft. surface area at 300 degrees

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(Application satisfies personnel protection & insulation requirements)

***Ainsworth Engineering***

(Grande Prairie AB. OSB. Mill)

**In-feed blower housing**

350 sq. ft. applied at a 60-mil thickness (2) units  
(Personnel protection & insulation requirements)

***Canfor Pulp Mill***

(Prince George BC. Pulp Mill)

**Stainless steel white liquor tank**

3500 sq. ft. applied at a 15-mil thickness  
(Plus 1-inch polyurethane foam insulation.)

***Oilfield Pipeline Line Heaters***

( Dawson Creek BC.)

**Carbon steel line heaters**

350 sq. ft. applied at a 80-mil thickness (2) units  
(For corrosion protection, and heat retention.)

***Penford Foods***

**Starch silos**

6000 sq. ft. applied at a 30-mil thickness (4) units  
(For corrosion, and condensation control)

***Cereal Foods***

( Great Falls Montana U.S.A. )

**Feed-bin Silo**

2000 sq.ft. Applied at a 40-mil thickness  
(For corrosion, condensation, and insulation requirements.)