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 360^0 F

Smelt pot cooling tank

250 sq. ft. applied at a 60-mil thickness.
The working surface temperature was 120^0 F

U 8 C piping

Applied at a 120-mil thickness.
The working surface temperature was 500^0 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 280^0 F

P.R.P. outlet ducting

3000 sq. ft. applied at a 40-mil thickness.
The working surface temperature was 200^0 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 240^0 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 260^0 F

Inlet 8 Outlet I.D. Piping.

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

Cyclone blower unit

450 sq. ft. applied at a 40-mil thickness.
The working surface temperature was 260^0 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	**In-feed blower housing**
(Grande Prairie AB. OSB. Mill)	350 sq. ft. applied at a 60-mil thickness (2) units (Personnel protection & insulation requirements)
Canfor Pulp Mill	**Stainless steel white liquor tank**
(Prince George BC. Pulp Mill)	3500 sq. ft. applied at a 15-mil thickness (Plus 1-inch polyurethane foam insulation.)
Oilfield Pipeline Line Heaters	**Carbon steel line heaters**
(Dawson Creek BC.)	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	**Feed-bin Silo**
(Great Falls Montana U.S.A.)	2000 sq.ft. Applied at a 40-mil thickness (For corrosion, condensation, and insulation requirements.)