

SECTION 7 : COMMERCIAL EQUIPMENT

7.1	APPLICATION	1
A.	HOT TANKS, BREECHINGS AND EQUIPMENT	1
	1503-H	1
B.	COLD TANKS AND EQUIPMENT	1
	1503-C	1
7.2	FINISHES	1
A.	HOT TANKS, BREECHINGS AND EQUIPMENT	1
	CEF/1 Indoor/Outdoor	1
	CEF/2 Indoor	2
	CEF/3 Outdoor	2
B.	COLD TANKS AND EQUIPMENT	2

Note: The contents of this Section include the application and finishes of equipment insulation under Specification Code Numbers 1503 and CEF. These code numbers are cross referenced in TIAC specification sections 15250 (23 07 00) Mechanical Insulation and 15280 (23 07 16) Equipment Insulation.

SECTION 7

COMMERCIAL EQUIPMENT

7.1 APPLICATION

A. HOT TANKS, BREECHINGS AND EQUIPMENT

Specification
Code No.

1503-H

- Apply insulation block, board segments or moulded pipe insulation and secure firmly with mechanical fastenings, wire or banding. Insulation shall be fitted neatly to all contours without voids. The insulation shall receive a 12 mm dry thickness of hard finish cement to provide a smoothly contoured surface. Cement to be reinforced with a layer of reinforcing mesh or reinforcing membrane.

- On resilient type insulation use reinforcing mesh prior to application of finish cement. On rectangular breechings, apply metal corner beads prior to finish cement application.

B. COLD TANKS AND EQUIPMENT

1503-C

- For this application use either insulation with an integral vapour retarder or field apply a vapour retarder treatment. Apply insulation block board segments or moulded pipe covering and secure firmly with mechanical fasteners, wire or banding. Insulation shall be fitted neatly to all contours without voids. The insulation shall receive a 12mm dry thickness of hard finish cement to provide a smoothly contoured surface. Cement to be reinforced with a layer of reinforcing mesh or reinforcing membrane.

- On resilient type insulation use reinforcing mesh prior to application of finish cement.

Note 1: If air spacing is required behind insulation on breeching, it shall be supplied and installed by others.

Note 2: If chillers are not factory insulated, they shall be insulated in accordance with the manufacturer's specifications.

7.2 FINISHES

A. HOT TANKS, BREECHINGS AND EQUIPMENT

Specification
Code No.

CEF/1 Indoor/Outdoor

- Over the insulation (hard coat cement not required) apply aluminum jacket secured with sheet metal screws or pop rivets with all joints caulked or flashed to shed water.

CEF/2 Indoor

- Over hard finish cement apply treated fabric jacket using fabric adhesive and finish with one (1) coat of fabric coating. Alternatively, finish with a layer of PVC jacket with all joints and seams sealed.

CEF/3 Outdoor

- Over hard finish cement apply a coat of weather coating (minimum 1 litre per 1.5 m). While still wet, embed a layer of reinforcing membrane and finish with a coat of weather coating. (minimum 1 litre per 1.5 m).

Note 1: Irregular areas or small heads to be finished with fabric jacket or weather coating to suit application and shell finish.

B. COLD TANKS AND EQUIPMENT

Please refer to the specifications for HOT TANKS in Section 7.2.A