

# OCCUPATIONAL TOOLS AND EQUIPMENT LIST

## **Insulator (Heat and Frost)**



Government of Newfoundland Labrador  
Department of Advanced Education and Skills  
Apprenticeship and Trades Certification Division

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## **Preface**

This document is intended as a companion to the June 2013 Plan of Training for the Insulator (Heat and Frost) occupation. It identifies the necessary tools and equipment required by apprentices and training institutions for the completion of apprenticeships.

## **Acknowledgements**

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We offer you a sincere thank you.

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## **Note:**

The numbers suggested in the following Tools and Equipment List represent the required minimum. Please verify this list with your selected training institution.

**Tools and Equipment List  
Insulator (Heat and Frost)**

<b>SECTION A: TOOLS AND EQUIPMENT REQUIRED BY STUDENT</b>			
<b>Item</b>	<b>Units for Individual Students</b>	<b>Required for Entry (E) Advanced (A) Both (B)</b>	<b>Comments</b>
<b>Hand Tools</b>			
Dividers (10" or 12")	<b>1</b>	<b>B</b>	
Knife (Long and Short)	<b>1 of each</b>	<b>B</b>	
Pliers – 8 inch End nipper	<b>1</b>	<b>B</b>	
Pruning Saw	<b>1</b>	<b>B</b>	
Punch set	<b>1</b>	<b>A</b>	
Scale Ruler	<b>1</b>	<b>B</b>	
Scissors	<b>1</b>	<b>B</b>	
Scratch Awl	<b>1</b>	<b>B</b>	
Screwdriver, #2 Robertson short and long	<b>1 of each</b>	<b>B</b>	
Shears, Aviation, M1 & M2	<b>1 of each</b>	<b>B</b>	
Tape Measure, 25' & 50'	<b>1 of each</b>	<b>B</b>	
Trowels (float & pointer)	<b>1 of each</b>	<b>A</b>	
<b>Personal Protective Equipment</b>			
Gloves	<b>1 pair</b>	<b>B</b>	
Hard Hat	<b>1</b>	<b>B</b>	
Safety Boots	<b>1 pair</b>	<b>B</b>	
Safety Glasses	<b>1 pair</b>	<b>B</b>	

Note: If identifying sets, please include specific information.

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION**

Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
<b>Hand Tools</b>				
8" End Nipper	3	5	B	
Band Tightener (pistol grip)	4	4	B	
Banding Tools (Rachet)	2	8	B	
Bull Snips (heavy & Light)	2 each	8	B	
Calculators	2	8	B	
Caulking Gun	5	3	B	
Chisel	15	1	B	
Circumference Tape	2	8	B	
Combination Square	8	2	B	
Crimper	4	15	B	
Dividers (10" or 12")	3	5	B	
Flare Staple Gun	2	8	B	
Foam Gun	1	15	B	
Hammer Chipping	8	2	B	
Hammer Cross Peen	8	2	B	
Hog Ringer	8	2	B	
Knife (Long & Short)	3 each	5	B	
Lacing Hook/Needle	1	15	B	
Miter Chart	6	3	B	
Pruning Saw	3	5	B	
Punch, set	3	5	A	
Rivet Gun	8	2	B	

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION**

Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
Safety Shield	6	<b>3</b>	B	
Scale Ruler	3	<b>5</b>	B	
Scissors	3	<b>5</b>	B	
Scraping Tools	2 sets	<b>8</b>	B	
Scratch awl	3	<b>5</b>	B	
Screwdriver - #2 Robertson short and long	3 each	<b>5</b>	B	
Shears Offset M6	4	<b>4</b>	B	
Shears (Aviation Shears M1 & M2)	3 each	<b>5</b>	B	
Shovel	2	<b>8</b>	B	
Springs & Bands	1 box $\frac{3}{4}$ "		B	
Staple Gun (T50)	8	<b>2</b>	B	
Tape Measure 25' & 50'	3 of each	<b>5</b>	B	
Thickness Gauge	8	<b>2</b>	B	
Tip Cleaner (spray equipment)	2	<b>8</b>	B	
Trammel points	2	<b>8</b>	B	
Trowels (float & Pointer)	3 of each	<b>5</b>	A	
T-Square 4 ft.	2	<b>8</b>	B	
Water Hoses	1	<b>15</b>	B	
Wire Brush	8	<b>2</b>	B	

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION**

Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
<b>Power Tools</b>				
Drills bits	2 sets	<b>15</b>	B	
Electric Drill 3/8"	4	<b>4</b>	B	
Electric Shears	1	<b>15</b>	B	
Grinders	4	<b>4</b>	B	
Pin Gun	1	<b>15</b>	B	
Pneumatic Tools (rivet gun)	1	<b>15</b>	B	
<b>Shop Equipment</b>				
Bar Folder	1	<b>15</b>	B	
Beader/Crimper	1	<b>15</b>	B	
Electric Metal Shears (Hand Held)	1	<b>15</b>	B	
Foot Operated Shear	1	<b>15</b>	B	
HEPA Vacuum	1	<b>15</b>	B	
Ladders (6ft, 10 ft)	1 of each	<b>15</b>		
Lock Former	1	<b>15</b>	B	
Metal Brake 4 ft	1	<b>15</b>	B	
Mixers	1	<b>15</b>	B	
Pump Sprayer	2	<b>8</b>	B	
Roller	1	<b>15</b>	B	
Scaffolding	3 sections	<b>3</b>	B	
Sewing Machine	1	<b>15</b>	B	
Shower (portable)	1	<b>15</b>	B	
Stud Welder	1	<b>15</b>	B	

<b>Personal Protective Equipment</b>				
Dust Masks	15	<b>1</b>	B	<b>Disposables supplied by school</b>
Eye Wash Station	1	<b>15</b>	B	
Gloves	3	<b>5</b>	B	<b>Spare units to complement student requirements</b>
Hard Hat	3	<b>5</b>	B	<b>Spare units to complement student requirements</b>
Safety Glasses	3	<b>5</b>	B	<b>Spare units to complement student requirements</b>

**Note:** If identifying sets, please include specific information.

This tool and equipment list was developed using industry standards and the 2012 National Occupational Analysis for the Insulator (Heat and Frost) occupation.