

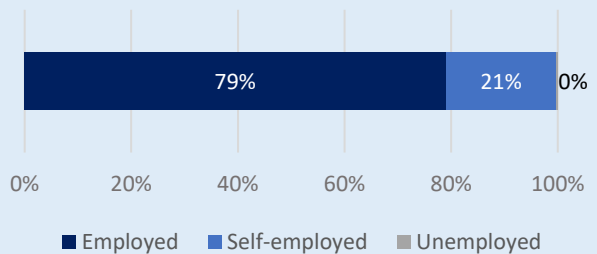
Heat and Frost Insulator (253A)



Heat and Frost Insulators apply insulation materials to plumbing, air-handling, heating, cooling and refrigeration systems, piping equipment and pressure vessels, and walls, floors and ceilings of buildings and other structures, to prevent or reduce the passage of heat, cold, sound or fire. For additional information regarding this trade, see the trade's [scope of practice](#), as outlined in Ontario Regulation 875/21.

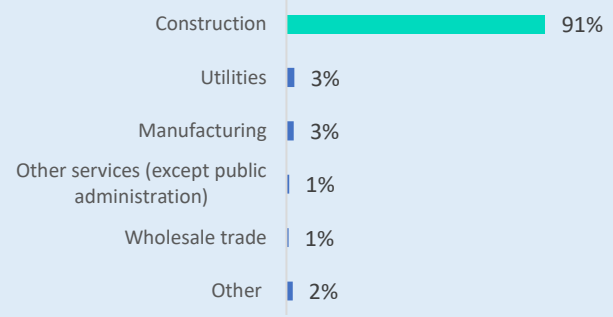
WORKFORCE PROFILE

Ontario's Heat and Frost Insulator Workforce, 2022



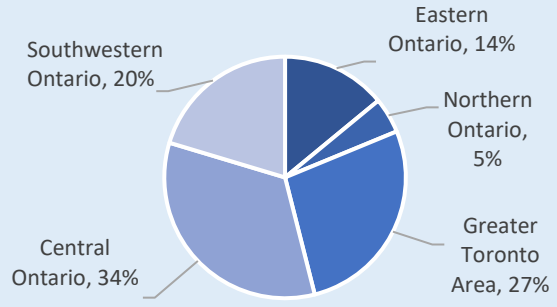
Source: Labour Force Survey – Based on 1,400 Respondents

Where Do Heat and Frost Insulators Work?



Source: 2021 Census

Workforce Across Ontario



Source: 2021 Census

**Heat and Frost Insulator (253A)
Number of Certificates of Qualification Issued, 2022**

<10

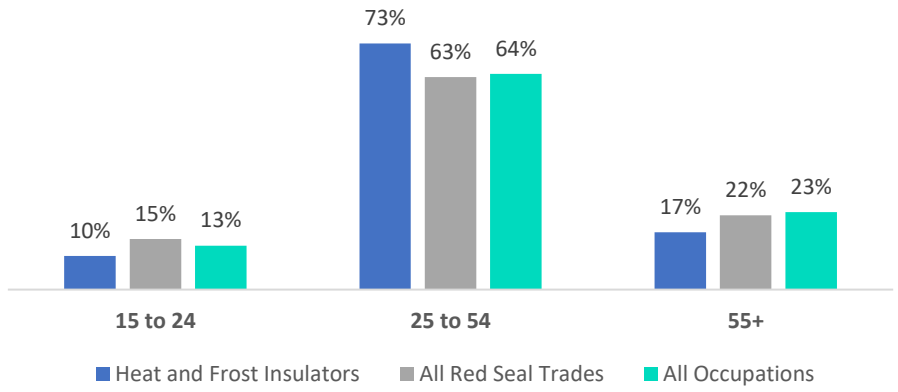
Source: STO Operations Database

AGE PROFILE

Heat and Frost Insulators have larger core-aged (25 to 54) workforce compared to other Red Seal trades.






Just under a fifth (17%) of Heat and Frost Insulators are nearing the age of retirement (age 55 or over).

Workforce by Age Group



Source: 2021 Census

WORKFORCE DEMOGRAPHICS

		Heat and Frost Insulator	Change from 2016	All Red Seal Trades
Women+		5.5%	+3.1%	13.8%
Immigrants		17.6%	-1.8%	26.2%
Racial Minorities		17.3%	+2.8%	23.3%
Indigenous Peoples		5.5%	+2.4%	3.7%
People with Disabilities		14.6%	+4.2%	13.5%

Source: 2016 Census, 2021 Census

EDUCATION PATHWAY

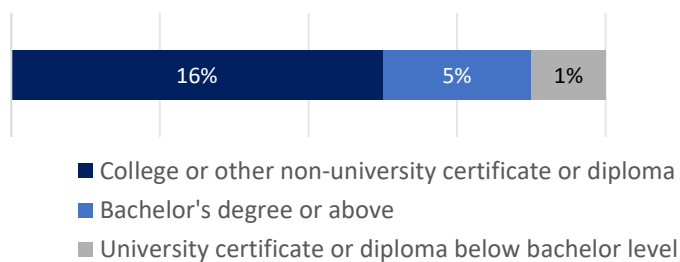
Heat and Frost Insulator is a non-compulsory trade in Ontario, which does not require certification or registration as an apprentice to practice within the province.

A grade 10 education is required to qualify for an apprenticeship.

The apprenticeship program is approximately three and a half years, consisting of 6,400 hours of on-the-job work experience and 3 levels of in-school training.

Source: 2021 Census

Share of Workforce with Postsecondary Credential



In addition to holding a Certificate of Qualification, approximately a fifth of Heat and Frost Insulators also hold a postsecondary credential.

INCOME

\$20.00 - \$35.00

Hourly Wage Range¹

Source: Workforce Planning Ontario. (2023). Labour Market Insights Report: Job Posting Data January to December 2022

\$39,000 - \$68,250

Annual Salary Range¹

Source: Workforce Planning Ontario. (2023). Labour Market Insights Report: Job Posting Data January to December 2022

¹ Hourly/annual figures can vary based on different factors including location, other certifications and work experience. In Ontario, employers, unions, and organizations may offer benefits such as: Health Insurance, Retirement Plans, Dental Insurance and Training Programs, among others.

Please refer to the FAQs for additional information and definitions.

The information in this report applies to trades/occupations with the National Occupational Code 72321: 253A Heat and Frost Insulator.

