



	Level 1	Page 1/2
Red Seal Tasks	On-The-Job Duties	Completed
Performs safety-related functions	Inspect & perform a positive & negative field test before wearing a respirator	
	Report hazards, near misses & incidents immediately	
Uses & maintains tools	Replace & report worn, damaged or defective tools	
& equipment	Operate ladders, platforms, lifts, baskets & scaffolds	
Outside and the	Organize & prioritize daily tasks	
Organizes work	Sort, place, store & secure materials on site	
Uses communication & mentoring techniques	Participate in safety & information meetings	
Performs routine trade	Take measurements using measuring tapes & chalk lines	
practices	Grind, pin & weld substrate	
Prepares for installation of insulation in	Determine types, sizes & thickness of insulation	
industrial applications	Calculate laps, lock-formed seams & easy edges	
Insulates piping &	Cut insulation & fabricate pipe fittings	
fittings	Measure & cut vapour barrier & wrap insulated pipe	
Prepares for installation of insulation in	Determine type, location & size of insulation materials	
commercial applications	Set up work area	
Insulates plumbing &	Cut pre-formed & flexible insulation	
mechanical piping systems	Apply adhesives & tapes to seams & joints	
Installs fire stop systems	Identify fire rating of structures & their materials	
	Arrange for inspection & verification of fire stops	
Installs fireproofing	Prepare intumescent & endothermic wrap	



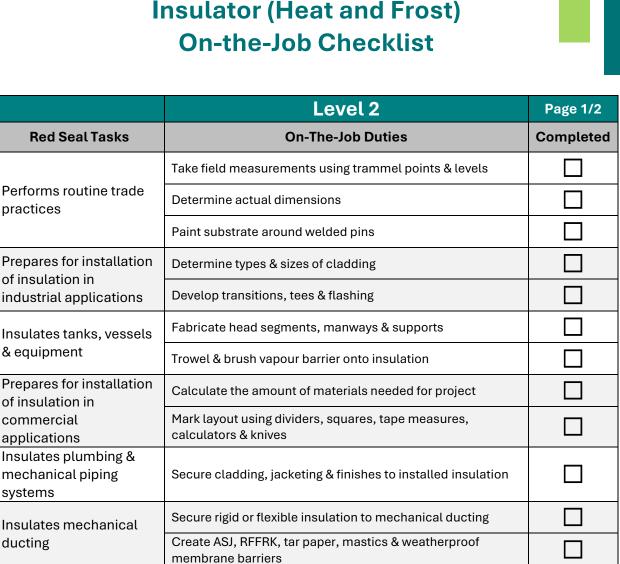




	Level 1	Page 2/2
Red Seal Tasks	On-The-Job Duties	Completed
Prepares for asbestos abatement	Determine level of risk according to the classification of asbestos abatement	
	Identify & apply temporary seal for asbestos capsulation	
	Determine disposal method of contaminated waste	
	Locate requirements for decontamination for high risk removals	
	Determine location of negative air machines & establish levels	
Performs asbestos removal procedures	Maintain asbestos removal equipment	
	Verify vehicle transporting asbestos has warning placards	
	Follow personnel decontamination procedures	
Performs maintenance & repair	Prepare & apply encapsulant	
	Design & build permanent enclosure around asbestos	
Performs lead abatement & mould remediation	Re-establish worksite to original condition	
	Test area to ensure successful mould remediation	







Cut lags & score rigid fiberglass (rigid board, flexible

Wrap insulated equipment with ASJ, RFFRK, tar paper,

Fill & fasten acoustic material to the support structure (Not

Secure cellular glass, urethane, nano-like materials to piping

Gain knowledge of installing acoustic panels on walls &

Calculate volume of insulation required for underground

Wrap or cover insulated pipe with sound deadening

Select sound deadening materials & fasteners

blankets/batts)

mastics & films

common core)

ceilings (Not common core)

materials

systems



Installs underground

insulating systems

**Red Seal Tasks** 

practices

of insulation in

& equipment

of insulation in

mechanical piping

Insulates mechanical

commercial

applications

systems

ducting

equipment

Insulates for

soundproofing

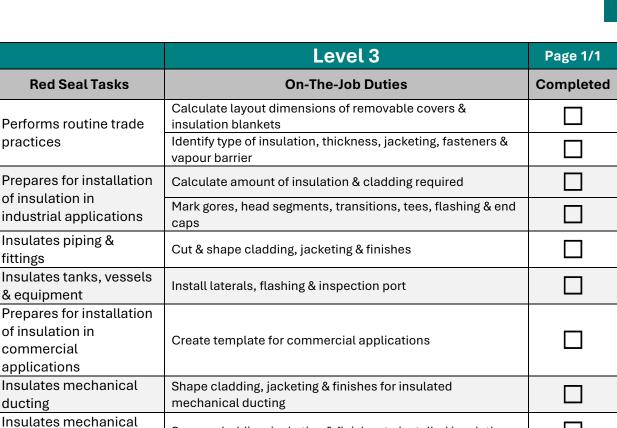




	Level 2	Page 2/2
Red Seal Tasks	On-The-Job Duties	Completed
Sprays sealers, coatings & spray-on insulation	Cover air vents, piping, electrical panels & trays & finished products	
	Assemble spray equipment & inspect substrate	
	Lay out, fasten & secure anchor points	
	Spray material evenly applying multiple layers & apply patch coats	
Installs insulation for refractory systems	Install cushioning blankets	
	Provide air space & install reflective material & insulation	
	Cover insulated components with cladding, protective jacketing & finishes	
Installs insulation for cryogenic systems	Install insulation with staggered joints & secure insulation	
	Cut films, laminates, metals, mastics & sealants	
	Cover insulated components in cryogenic applications	







Secure cladding, jacketing & finishes to installed insulation

Gain knowledge of installing & securing wire mesh or

Gain knowledge of selecting appropriate PPE based on

Fabricate hard covers

Fit covers in the field

perforated metal over insulation

asbestos abatement classification

All work performed in this checklist is to be done under the supervision and guidance of a certified journeyperson



equipment

covers

Installs removable

Insulates for marine

applications (Not

common core)





	Level 4	Page 1/1
Red Seal Tasks	On-The-Job Duties	Completed
Uses communication & mentoring techniques	Give supportive & corrective feedback	
Performs routine trade practices	Calculate layout dimensions of insulation, protective finishes & cladding/jacketing	
	Identify type of coating, types of sealants & scope of work	
Prepares for installation of insulation in industrial applications	Determine fastening system for installing insulation	
	Create template for industrial applications	
Insulates piping & fittings	Apply sealant to seams & secure cladding	
Installs fire stop systems	Identify the penetrating components & their characteristics	
	Fill voids with damming materials & fasten fire stop materials	
Installs removable covers	Install fastening devices for hard covers	
	Secure covers	
Installs fireproofing	Apply protective covering over fireproof material	



# Insulator (Heat and Frost) On-the-Job Checklist



#### Information Regarding the Checklist

Saskatchewan Apprenticeship and Trade Certification Commission's (SATCCs) On-The-Job Checklist provides a complete list of trade-specific Red Seal tasks for apprentices to complete under the supervision of a journeyperson. This work should be completed prior to attending the technical training level under which the duties are listed (e.g. Level 1 completed prior to attending Level 1 technical training).

Completing this checklist will ensure that apprentices are exposed to the full scope of a particular Red Seal trade throughout their apprenticeship program. It will also help prepare apprentices for each level of technical training by performing work on-the-job relating specifically to topics covered later on. The tradespecific tasks listed have been reviewed by certified journeypersons in Saskatchewan for their accuracy and have been set to an appropriate skill level.

An apprentice spends approximately 85% of their apprenticeship term training on-the-job. It is both the apprentice and the employer's or journeyperson's responsibility to supervise an apprentice's practical skills development during their program.

To promote transparency and consistency, this document aligns with the 2018 Insulator Red Seal Occupational Standard (Employment and Social Development Canada).

A complete version of the Occupational Standard can be found at www.red-seal.ca

### Saskatchewan Apprenticeship & Trade Certification Commission (Regina)

2140 Hamilton St Regina SK, S4P 2E3

Tel: (306) 787-2444

Toll Free: 1-877-363-0536

Website: www.saskapprenticeship.ca

## Saskatchewan Apprenticeship & Trade Certification Commission (Saskatoon)

603 45th Street West Saskatoon, SK S7L 5W5

Tel: (306) 933-8476

Toll Free: 1-877-363-0536

Website: www.saskapprenticeship.ca

## **District Offices**

Estevan (306) 637-4930 La Ronge (306) 425-4385 Moose Jaw (306) 694-3735 North Battleford (306) 446-7409 Prince Albert (306) 953-2632 Swift Current (306) 778-8945 Yorkton (306) 786-1394

