

# HAND SAFETY



BE ALIGNED TARANAKI



# DANGERS TO FINGERS AND HANDS

There are multiple hazards that can cause injury to workers hands.

## Impacts

- ▶ Blunt force trauma
- ▶ Crushing
- ▶ Caught between / Pinches

## Cuts

- ▶ Slicing
- ▶ Stabbing / Penetrations
- ▶ Chemical

## Burns

- ▶ Fire / Heat
- ▶ Cryogenic / Cold



# METHODS FOR PREVENTING HAND INJURIES – HIERARCHY OF CONTROLS

When implementing controls, you must always attempt to work through the hierarchy in top-down order.

**Elimination**  
Physically remove the hazard

**Substitution**  
Replace the hazard  
e.g. Replace equipment so that hand tools are not needed

**Engineering**  
Isolate people from the hazard  
e.g. tag lines, finger savers

**Administrative**  
Change the way people work  
e.g. PTW, SOP, SWMS, JHA

**PPE: Protect the worker**  
e.g. utilise the appropriate gloves

You should always look to **eliminate** the hazards first and use PPE last

# METHODS FOR PREVENTING HAND INJURIES – ISOLATION / ENGINEERING

If the hazard cannot be eliminated, or substituted, then ways to isolate the person from the hazard should be investigated.

Engineering or isolation controls prevent the hazard contacting your hands

## Hand tools

- ▶ Select the right tool for the job
- ▶ Can a power tool be used instead?
- ▶ Consider the tool swing path

## Tool holders / extension handles

- ▶ Use tool holders & finger savers

## Load guides

- ▶ Use taglines
- ▶ Use push / pull sticks
- ▶ Use lifting hooks



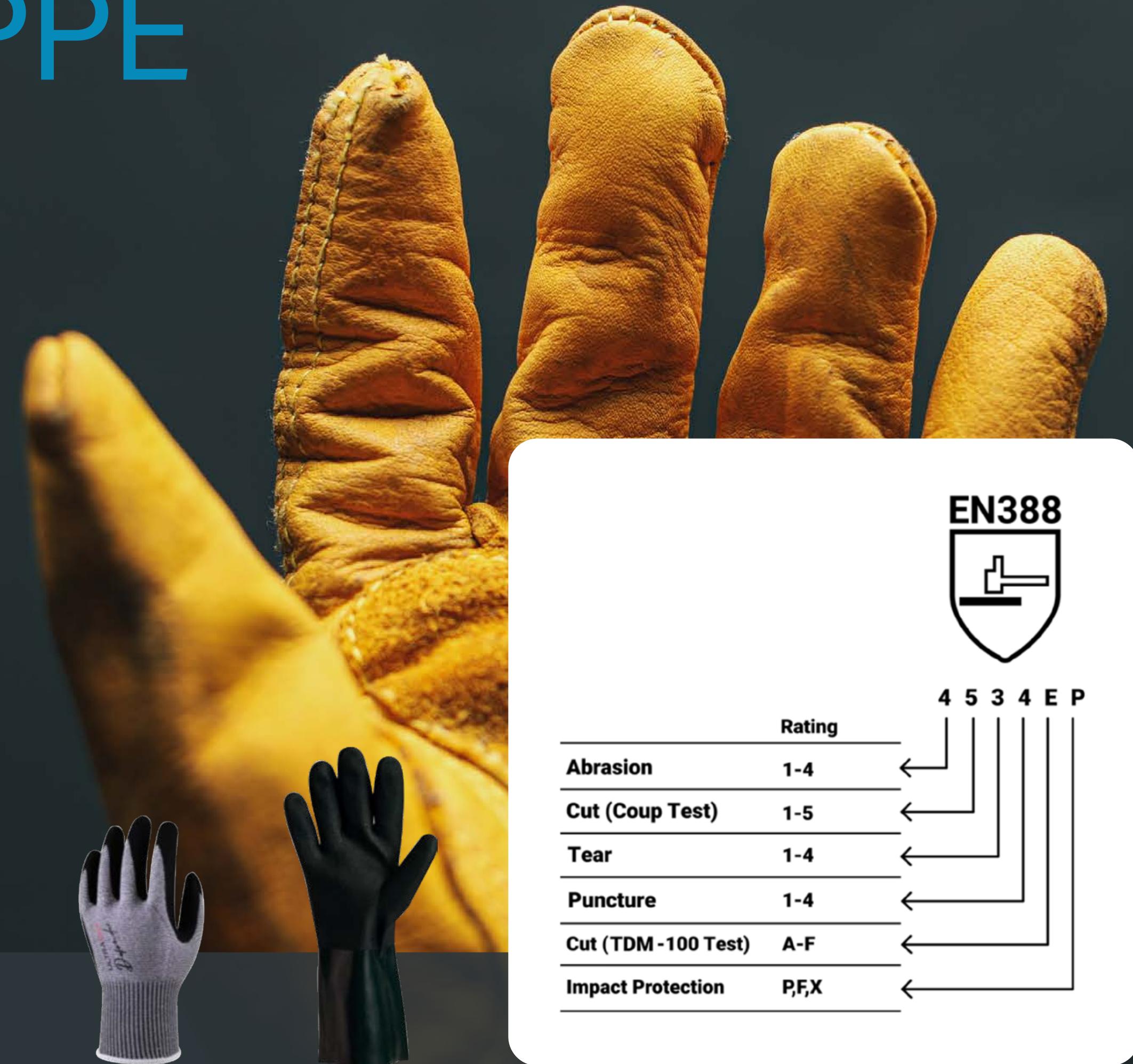
# METHODS FOR PREVENTING HAND INJURIES – PPE

## Select the right gloves for the task

Gloves should not be used as the primary level of protection

### Things to consider when selecting gloves:

- ▶ What level of dexterity is required for the task
- ▶ Size of glove
- ▶ Are moving parts present
- ▶ Cut resistance
- ▶ Impact resistance
- ▶ Chemical resistance
- ▶ Different chemicals react differently to different glove materials
- ▶ Always check the SDS to see which glove materials are and aren't compatible
- ▶ Weather conditions



Glove standards and what they mean (esko website)

# GLOVE SELECTION MATRIX

Todd Energy Well Services use a glove matrix to help determine what gloves should be used for each task. This matrix is available for all to utilise.

## Offers guidance for:

- ▶ Glove selection for specific tasks
  - ▶ Minimum specifications for the task
  - ▶ There may be a requirement to use a different tool or glove to what is usually used
  - ▶ The task and glove should be assessed to ensure they are an effective combination



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