



HELMET SELECTION GUIDE

Select the proper **TYPE** and electrical **CLASS** that meets your job requirements

TYPE: All WAVECEL T2+ Hard Hats are TYPE II rated

Two types of protection levels are specified in the US Standard (Z89.1-2014) & Canadian Standard (Z94.1-15)

- **TYPE I:** Helmets provide protection from **crown impacts only**.
- **TYPE II:** Helmets provide protection from **crown + lateral impacts**. Lateral impacts = Front, Side & Back

TYPE II protection is critical, since most helmet impacts occur laterally, and not just on the crown. Studies have shown that TYPE I helmets perform poorly in lateral impacts.*

Accordingly, the Canadian standard specifies that:

- TYPE I helmets shall only be worn if no lateral impacts hazards exist.
- TYPE II helmets shall be worn where lateral impact hazards exist, such as construction sites.

*Gilchrist et al., Journal of Occupational Accidents 1987; 9:199-211; Bottlang et al., HELIYON, 2022, <https://doi.org/10.1016/j.heliyon.2022.e09962>.

CLASS: Electrical Protection

THE US & Canadian Standards for safety helmets specify different classes of electrical protection

CLASS E (Electrical) Helmets are intended to provide protection from electrical hazards.

- All non-vented WAVECEL T2+ hardhats are CLASS E rated

CLASS C (Conductive) Helmets are not intended to provide protection from electrical hazards.

- All vented WAVECEL T2+ hardhats are CLASS C rated

MODELS: SAFER COOLER LOWER LIGHTER

WAVECEL T2+ Hardhats are available in two models

PRO: Designed for every Professional with a non-vented brim and side rails for accessory attachments

MAX: Adds top and rear venting for a total vent area of 16cm²

All WAVECEL T2+ Hardhats deliver the same level of safety - Safety Beyond Standards

	WAVECEL T2+	PRO	MAX
SAFETY	WaveCel Impact System	✓	✓
	TYPE I Crown Impact Protection	✓	✓
	TYPE II Lateral Impact Protection	✓	✓
	Electrical Rating	CLASS E	CLASS C
FEATURES	Side Rails	✓	✓
	Ventilation (top/rear 16cm ²)	-	✓
OPTIONS	Chin Straps	○	○
	Head Lamp	○	○
	Face Shields	○	○
	Hi-Viz Diamond Grade Decal Set	○	○