

Passive Safety – New Codings (BS EN 12767:2019)

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The standard covering Passive Safety was revised and re-issued at the end of 2019.

New Passive Safety classifications will now have seven elements – eg 100 NE B X SE MD 0 – instead of the three categories under the previous version of the standard (BS EN 12767:2007).

The seven different elements are as follows:

Speed Class

Energy Absorption Category

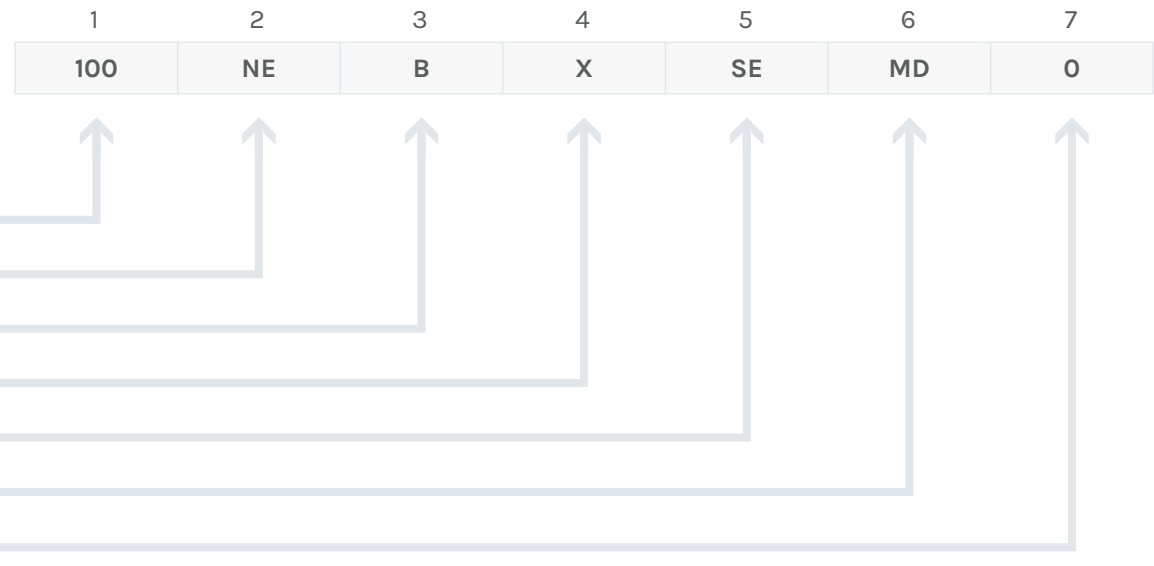
Occupant Safety Class

Backfill Type

Collapse Mode

Direction Class

Risk of Roof Indentation



Element	Alternatives	Element	Alternatives
Speed Class	50, 70, 100	Collapse mode	SE, NS
Energy absorption category	HE, LE, NE	Direction Class	SD, BD, MD
Occupant safety class	A, B, C, D, E	Risk of roof indentation	0 or 1
Backfill type	S, X, R		

If not all properties are of interest for the specifier or purchaser, they may instead specify NR (no requirement) for that property.

For example, consistent with the UK National Annex, purchasers could legitimately specify a passively safe column as "100-LE-NR-NR-NR-MD-0", in this case only the speed class, energy absorption category, direction class and risk of roof indentation are specified and all other elements are without preference.