

12 QUESTIONS TO SETTLE BEFORE YOU WRITE OR SIGN OFF AN HVM BRIEF

HVM Specifier's Checklist.

Hostile vehicle mitigation is a specification, not a product. Work through these questions with your security consultant, architect and asset owner before the first barrier is chosen - every one of them changes the rating, the product family or the foundation you will need.

THREAT & VEHICLE

- ☐ **01 What vehicle could realistically reach this site?**
Car (M1, 1.5 t), ute (N1G, 2.5 t), light truck (N1, 3.5 t) or rigid truck (N2/N3, 7.2 t+). Walk every approach.
- ☐ **02 What speed can it reach at the barrier line?**
Measure the longest straight approach. Energy scales with speed squared - traffic calming is part of the design.
- ☐ **03 What is the required stand-off to the crowd or asset?**
Allow for the barrier's certified penetration distance, not just its footprint.

STANDARD & RATING

- ☐ **04 Which standard does the brief cite?**
ISO 22343-1:2023 is current. PAS 68 and IWA 14-1 certificates remain valid. ASTM F2656 for US-engineered product.
- ☐ **05 Is the rating certified or 'engineered to resist'?**
Insist on a published crash-test report. No report means no HVM rating.
- ☐ **06 What penetration and debris figures are acceptable?**
For crowded places, aim for P1 / <1 m penetration and minimal debris dispersion.

SITE & OPERATION

- ☐ **07 What is in the ground?**
Buried services decide foundation depth - 200 mm ultra-shallow blockers vs deep-set bollards vs surface mount.
- ☐ **08 Who still needs to drive through?**
Service, emergency and VIP vehicles need an active barrier (blocker, rising bollard or arm) with a defined cycle time.
- ☐ **09 How do pedestrians, prams and wheelchairs flow?**
Set bollard centres (typically ~1.2 m) and gaps so the perimeter stays permeable to people.
- ☐ **10 Is the protection permanent, temporary or hybrid?**
Events and growing footprints often need a stock of certified mobile units alongside the fixed line.

DELIVERY & LIFECYCLE

- ☐ **11 Who installs, and who warrants it locally?**
Access X supplies the certified hardware; certified partners in your area install, warrant and service it.
- ☐ **12 What documentation goes in the O&M manual?**
Crash-test certificate, installation drawings, foundation details, maintenance and testing schedule.

QUICK REFERENCE - READING A RATING CODE

V / 7200 [N2A] / 80 / 90 : 2.5 / 30.8

V	Vehicle impact test (not pendulum or simulation)
7200 [N2A]	7,200 kg rigid truck, class N2A
80 / 90	80 km/h impact at 90 degrees to the barrier
2.5 / 30.8	2.5 m penetration; 30.8 m major-debris dispersion
M30 / M50	ASTM F2656: 6.8 t truck at 48 / 80 km/h; P1 = under 1 m penetration

Ready to scope a site? Request a free site assessment.accessxhvm.co.nz/#assessment - product shortlist, spacing & foundation recommendation, certified rating documentation