

340 EDINBURGH RD. N.,
UNIT #4
GUELPH, ON
N1H 7Y4
(519) 823-9518

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Product Selection Guide

Surface, Foam and Coverage type

Instructions, use the charts and examples below to choose

1. Pick the material and the surfaces you want to protect
2. Decide the action the part will cause
3. Decide on the thickness of foam required
4. Decide on the type of cover required

Consider the most sensitive A class surface of your part, and then decide if a rougher or D surface will also touch the protective surface. If a surface will be exposed to both A and D surfaces, you may need to consider a replaceable surface depending on the action the surface will receive.

A placed part considers a part that is purposely placed on the surface. Rubs occur if the part is handled and moves or rubs on the surface. Slides occur if the part is pushed along the surface for example holding supports.

1. Pick YOUR part(s) material & surface you to protect from mutilation strikes from the list below										
		PVC			TPO			FLEECE		
2. Pick the action ->		Placed	Rubs	Slides	Placed	Rubs	Slides	Placed	Rubs	Slides
PLASTICS						Not sharps				
Acrylic	Handle as A Class	✓			✓	✓		✓	✓	✓
Polycarbonate	Handle as A Class	✓			✓	✓		✓	✓	✓
ABS	Handle as A Class	✓			✓	✓		✓	✓	✓
TPO, PE, PP A Class	Handle as A Class	✓	✓		✓	✓		✓	✓	✓
TPO, PE, PP D Class	Consider replaceable surfaces	✓	✓	Consider replaceable surfaces	✓	✓	Consider replaceable surfaces	✓	✓	Consider replaceable surfaces
Applied Finishes										
1K – 2K Paint	Handle as A Class	✓	✓		✓	✓	✓	✓	✓	✓
Prime		✓	✓		✓	✓	✓	✓	✓	✓
Lo Bake	Handle as A Class	✓			✓			✓	✓	✓
Sensitive matt Black	Handle as A Class	✓			✓			✓	✓	✓
Chrome	Handle as A Class	✓			✓			✓	✓	✓

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3. Determine the thickness of foam required to protect from;
- Purposeful contact such as by hand or robotic movement
 - Occasional casual impact or rubs, actions like drop, flip, turn on same side
 - Constant impact, part after part on a surface usually requires 6mm
 - Accidental impact, Soft, Medium or Hard impact also influenced by weight
 - Safety consideration, protection for ankle, shin, head

Where possible, at corner strike points 6mm is preferred, 2mm can be used but attention must be used during application so foam is not too thin.

	PVC	TPO	FLEECE
No foam	a	n/a	a,b
2 mm	a, b, d	a, b, d	c,d
6 mm	c, d, e	n/a	c,d

4. Determine the type of covering that is required



Full wraps, wraps around object and attaches to itself with hook and loop. Can be removed and reapplied, used to wrap 360° around objects like table legs, bars, poles, posts, I beam, guard rails.



Pads, pads are attached with hook to PSA applied loop on the protected surface. Can be removed and reapplied to the same surface, used to cover Pads have a hook and loop system on 2 sides of the pad along the length or width so they can be placed on two surfaces for example around 2 or three surfaces of an object
Covers areas like machine guards, skirting, around corners of structures



Flat Strips, like pads however usually they are narrower and long, and typically cover one side of a surface, although they can wrap around an object such as an electrical outlet. Used to cover objects such as light curtain strips, front facing surfaces. Flat strips have only one strip of hook that attaches to one strip of PSA applied loop.



Flat Strips with a bumper edge, like flat strips however one edge is turned to provide a bumper edging to the strip. Used to extend the strip past the edge of the surface to provide a cushioned bumper edge. Used around objects like HMI, button boxes, finger guards. Flat strips have only one strip of hook that attaches to one strip of PSA applied loop, the attachment point is placed behind the bumper edge.



PSA applied tapes, like flat strips however they use PSA, acrylic adhesive, to apply the material to the surface and are not easily replaced. Can be used as paddings, replaceable wear surfaces or to repair damaged surfaces.