



PART 4

TEST METHOD FOR DETERMINATION OF IMPACT CUT RESISTANCE

Certain materials can exhibit adequate abrasion resistance, but poor cut resistance. Once cut, their structural integrity may be severely compromised and catastrophic failure inevitable. For example, in countries where the roads are covered in snow for many months, and where use of snow chains is prevalent, the snow chains can hone the aggregate in the road surface to a sharp profile. These sharp edges can slice through inadequate motorcycle clothing - and the rider underneath! - with alarming ease.

This test method provides a “double-check” on the suitability of materials. A standardised blade, mounted on a holder which runs vertically on guide rods, is dropped from a specified height onto the test specimen and the depth of penetration of the blade is measured. The maximum permitted depth of the cut is specified in Part 1. Picture 7 (left) shows the impact cut test apparatus.

