

EPDM Mulch – The performance advantage

With a comparable system construction a top layer made of EPDM Mulch achieves better fall protection characteristics.

» **Test structure**

- Head Injury Criterion (HIC) test in accordance to DIN EN 1177.
HIC is a non-dimensional value which is used for the evaluation of risk of injury for fall protection systems.
- Sample surfaces of 1 m² with a half-parted top layer were examined (½ EPDM ST & ½ EPDM Mulch), in order to unify the influence of the base layer.
- The base layer was determined with a thickness of 40 mm and 80 mm.



EPDM ST

EPDM Mulch

System 40 mm base + EPDM ST / EPDM Mulch

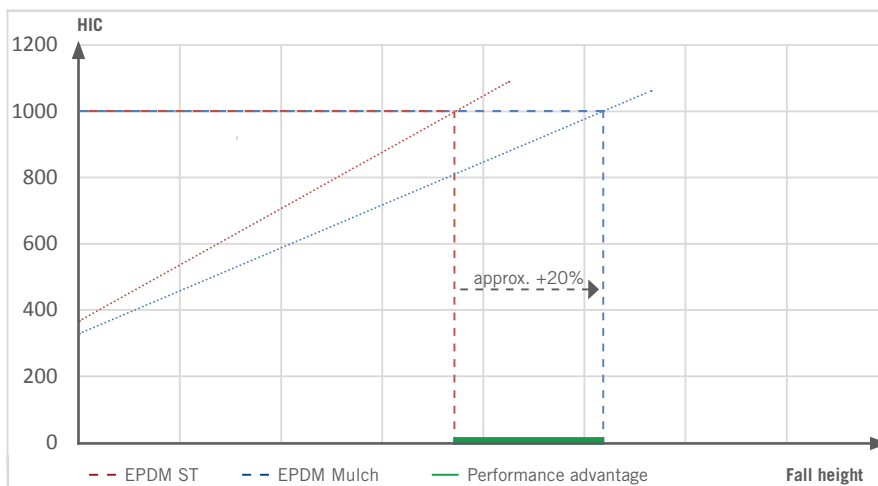


System 80 mm base + EPDM ST / EPDM Mulch



	EPDM ST	EPDM Mulch	EPDM ST	EPDM Mulch
Quantity top layer/m ²	10 kg	10 kg	10 kg	10 kg
Thickness top layer	10 mm	20 mm	10 mm	20 mm
Thickness base layer	40 mm	40 mm	80 mm	80 mm

» **Melos EPDM Mulch leads to improved fall protection properties values**



- In direct comparison on a similar substructure the fall protection characteristics are up to 20% better in the top layer, related to the tested systems.
- The low bulk density of EPDM Mulch leads to increased layer thicknesses in the top layer (in comparison to standard granules at equal amounts per m²).
- The results were confirmed by independent tests.



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