

Anti-shock materials

MAXIMUM FALL HEIGHT, CM	RECOMMENDED MATERIAL	DESCRIPTION MM	PROS	CONS
≤ 60	Rocks, concrete, asphalt (allowed only for static equipments)	***	***	***
≤ 100	Field without rocks or roots, min. 10 cm humus	***	Low installation costs Low maintenance High availability High practicability	Dries out in summer Only suited for relatively quiet areas
≤ 300	Coniferous tree bark **	Size from 20 to 80	High practicability Limited likelihood of gaps appearing High availability Ease of disposal	Higher maintenance costs Liable to compression Hygiene
	Wood chippings, no bark **	Size from 5 to 30	High practicability Limited likelihood of gaps appearing High availability Ease of disposal	Higher costs Higher maintenance costs Hygiene
	Sand with no slimy or clayey grains **	Size from 0.2 to 2	Low installation costs High availability Ease of disposal	Higher maintenance costs Liable to compression Gaps may appear Hygiene
	Round gravel with no slimy or clayey grains **	Size from 2 to 8	Limited likelihood of gaps appearing Resistant to freezing Limited speed of movement	Low practicability Hard to compact the trodden area
	Safety material - rubber	Thickness 1000 according to HIC test	High practicability Washable Long life No gaps appear Reduced maintenance costs	Higher costs Maintenance of base of play equipment is difficult More complex disposal

** Minimum depth 300 mm for fall height 2 mt and 400 mm for fall height from 2 to 3 mt