





3	Natural and Ic	oose-fill surfac	es	
	Advantages Low initial cost	Disadvantages Easily displaced in high traffic and near forced movement devices	Comments Reduces ongoing maintenance if designed and installed to 400 mm minimum	
V AUSTRIA ACADEMY	Retains excellent impact attenuation properties for many years	Some barks are not suitable for disability access	Only purchase bark that has no sharps (timber contamination)	
	Does not cause skin burns on a hot day (high Specific Heat 0.7-2.6)	Requires regular inspection	Can conceal hazardous objects (broken bottles, syringes)	
	Easy to install Readily available Long life	Requires raking Requires topping up		
Ü2	Difficult to vandalise		4	www.tuv.at

IAS Sand		ices	AUSTR
Advantages	Disadvantages	Comments	
Low initial cost	Easily displaced in high traffic and near forced movement devices	with fines it loses impact attenuation properties and will need to be sieved in- situ or removed and replaced	
Easy to install	Requires regular inspection	Can conceal hazardous objects (broken bottles, syringes)	
Retains excellent impact attenuation properties for many years	Can get very hot and cause skin burns on a hot day (low Specific Heat = 0.19)	Mixing two different IAS can cause contamination if their grading curves are different	
Readily available	Requires raking	Reduces ongoing	1
Long life	Requires topping up	maintentance if designed	he .
Natural surface	Not suitable for disability access	and installed to 400 mm minimum	200
Difficult to vandalise	Conceals animal faeces		ITT





































IAS Product	FHoF	HIC	% work	ACADEMY
Rubber 50mm	1.0	511	0.51	
Rubber 100mm	1.0	218	0.51	
Rubber 75mm	1.0	307	0.53	
Rubber 75mm	3.0	1977	0.55	
Rubber 75mm	2.0	935	0.57	
Rubber 100mm	2.0	593	0.57	
Rubber 50mm	3.0	3849	0.58	
Rubber 50mm	2.0	1598	0.63	
Rubber 100mm	3.0	1089	0.86	
Sand dry course 200mm	3.0	430	0.90	
Bark wet 200mm #1	3.8	437	0.95	
Bark dry 200mm #1	3.0	370	0.97	
Bark dry 200mm #1	2.0	773	0.97	
Bark dry 200mm #1	4.1	442	0.98	
Sand fine & dry 200mm #1	2.1	87	1.00	
Bark dry 200mm #1	1.0	597	1.00	
Sand fine & dry 200mm #3	3.1	364	1.00	
Sand fine & wet 200mm #1	2.1	314	1.00	
Sand fine & wet 200mm #2	2.1	1021	1.00	
Sand dry course 200mm	2.0	300	1.00	
Percentage work	perfor	med	bv IAS	





















































