Groundcover Comparison and Recommendations

Comparison of loose-fill ground surfacing materials			
	Organic Loose Material	Inorganic Loose Material	
Material	Pine bark, shredded bark nuggets, wood chips, cocoa shell mulch	Sand, pea gravel, shredded/recycled rubber	
Advantages	Low initial costEase of installationLess abrasive than sand	 Ease of installation Does not promote microbial growth Generally nonflammable (except rubber products) 	
Issues to consider	 With time, these materials may decompose and lose their cushioning effect Materials can be displaced by strong winds or the playing action of children thereby reducing cushioning effect Susceptible to microbial growth when wet Can get thrown around Some children are allergic to bark dust 	 Initial cost varies (transport can be costly) Sand and pea gravel may be displaced by the playing action of children thereby reducing the cushioning effect Can be swallowed, blown or thrown – potentially leading to injury Easily spreads outside the containment area Rubber may have an unpleasant smell 	

Recommended Groundcover		
Type of Groundcover	Attributes/Concerns	
Shredded/ Recycled Rubber	 Readily absorbs shocks Available in lighter colors to avoid excessive heating 6 inches compressed material will protect from falls up to 10 feet 	
Engineered Wood Fiber/ Wood Chips	 Falls rarely result in injury Readily absorbs shock 9 inches compressed material will protect from falls up to 10 feet 	

Not Recommended		
Type of Groundcover	Concerns/Attributes	
Concrete/ Patio Brick	 Falls from short distances can result in injury Surface does not absorb shock 	
Grass (Sod)	 Falls from short distances can result in injury Surface does not absorb shock 	
Bark Mulch	Decomposes readilyHigh prevalence of microbial growth when wet	

Cautionary Groundcover		
Type of Groundcover	Attributes/Concerns	
Sand	 Readily absorbs shocks in warm temperatures Less to no shock absorption when cold/frozen Can attract animals (e.g. ants, spiders) Some animals may use as litter box 9 inches compressed material will protect from falls up to 4 feet 	
Pea Gravel	 Considered a choking hazard for infants and toddlers Avoid gravel with sharp edges 9 inches compressed material will protect from falls up to 5 feet 	

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