



Table 4 — Classification of abrasion resistance and limiting depths of wear for the abrasion test: Recommendations for concrete bases upgraded by dry shake/sprinkle finishes and for applied wearing screeds (WS)

Class	Service conditions	Application	Maximum test wear depth mm	Type of wearing screed material	Notes
AR0.5 (special)/WS	Severe abrasion and impact from steel or hard plastics wheeled traffic or scoring by dragged metal objects	Very heavy duty engineering workshops and very intensively used warehouses, etc.	0.05	Proprietary dry shake/sprinkle finishes on concrete grade at least as for AR3/DF	Proprietary dry shake/sprinkle finishes, which are not classified by strength class or minimum cement content and might contain aggregates that do not conform to 5.3. Special finishing techniques may be used. The suitability of concrete flooring for this class should be established with the manufacturer or flooring contractor offering warranty.
AR1/WS	Very high abrasion; steel or hard plastics wheeled traffic and impact	Heavy duty industrial workshops, intensively used warehouses, etc.	0.1	Monolithic or bonded wearing screed	For wearing screed materials see 9.2 Approved aggregates conforming to 5.3.4 [A ₁] Fine aggregate [A ₂] conforming to 5.3.5 Hand trowelling or power floating and repeated power trowelling as 10.7
AR2/WS	High abrasion; steel or hard plastics wheeled traffic	Medium duty industrial and commercial	0.2		
AR4/WS	Moderate abrasion; rubber tyred traffic	Light duty industrial and commercial	0.4		

