Table 3 — Classification of abrasion resistance and limiting depths of wear for the abrasion test: Recommendations for concrete bases, directly finished (DF) only, as wearing surfaces

Class	Service conditions	Application	Maximum test wear depth mm	Typical examples (see 6.2)					
				Type of concrete	Minimum compressive strength class[a] N/mm²	Minimum cement content kg/m³	Type of coarse aggregate	Type of A1 fine aggregate A1	Finishing process
AR0.5 (special)/DF	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	Specially designed proprietary concretes	Special concretes 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/DF	Very high abrasion; steel or hard plastics wheeled traffic and impact	Heavy duty industrial workshops, intensively used warehouses, etc.	0.1						
AR2/DF	High abrasion; steel or hard plastics wheeled traffic	Medium duty industrial and commercial	0.2	Direct finished concrete	C40/50 RC50	400	Aggregates conforming to **5.3.2**	A1 Fine aggregate A1 conforming to **5.3.3**	Power floating and repeated power trowelling as **10.7**
AR4/DF	Moderate abrasion; rubber-tyred traffic	Light duty industrial and commercial	0.4	Direct finished concrete	C32/40 RC40	325			

[a] Concrete should conform to BS 8500-2.

Face Consultants Ltd.
Dene House
North Road
Kirkburton
Huddersfield
United Kingdom
HD8 0RW

Offices Worldwide.
VAT Reg No: 567 2890 01. Registered in England No: 2928994.

CoGri Group

Tel: +44 (0)1484 600090
Fax: +44 (0)1484 600095
Email: info@face-consultants.com
Website: www.face-consultants.com