

Table A.14 Guidance on the selection of designated and standardized prescribed concrete in housing and other applications

Application ^{A) B)}	Designated concrete	Standardized prescribed concrete	Recommended consistence class
Unreinforced foundations^{B)} and associated works requiring DC-1 concrete			
Blinding and mass concrete fill	GEN1	ST2	S3 ^{C)}
Strip footings	GEN1	ST2	S3 ^{C)}
Mass concrete foundations	GEN1	ST2	S3 ^{C)}
Trench fill foundations	GEN1	ST2	S4
Drainage works to give immediate support	GEN1	ST2	S1
Other drainage works	GEN1	ST2	S3 ^{C)}
Oversite below suspended slabs	GEN1	ST2	S3 ^{C)}
Unreinforced foundations requiring DC-2 to DC-4 concrete^{B)}			
DC-2	FND2	N/A	S3 ^{C) D)}
DC-2z	FND2Z	N/A	S3 ^{C) D)}
DC-3	FND3	N/A	S3 ^{C) D)}
DC-3z	FND3Z	N/A	S3 ^{C) D)}
DC-4	FND4	N/A	S3 ^{C) D)}
DC-4z	FND4Z	N/A	S3 ^{C) D)}
DC-4m	FND4M	N/A	S3 ^{C) D)}
General applications			
Kerb bedding and backing	GEN0	ST1	S1
Floors			
House floors with no embedded metal (see Note 2 to 4.2.2)			
• Permanent finish to be added, e.g. a screed or floating floor	GEN1	ST2	S2
• No permanent finish to be added, e.g. carpeted	GEN2	ST3	S2
House and garage ground floor slabs			
Fully nominally reinforced, either ground bearing, suspended or over sub-floor voids ^{E)}	RC28/35	ST5	S2
Garage floors not designed as suspended and not reinforced ^{E)}	GEN3	ST4	S2
Wearing surface: light foot and trolley traffic	RC25/30	ST4	S2
Wearing surface: general industrial	RC32/40	N/A	S2
Wearing surface: heavy industrial ^{F)}	RC40/50	N/A	S2
Paving and roadbase			
House drives and domestic parking	PAV1	N/A	S2 ^{C)}
Heavy-duty external paving with rubber tyre vehicles ^{F)}	PAV2	N/A	S3 ^{C) G)}
Cement-bound concrete, used for foundations and reinstatement of openings in highways			
Reinstating base (roadbase) for flexible/composite roads and footways	CB16/20	N/A	N/A

^{A)} Concrete containing embedded metal should be treated as reinforced. PAV2 is suitable for reinforced ground supported pavements exposure class XD3. See A.4.3.

^{B)} See Table A.3 for designated concretes for reinforced foundations and reinforced concrete.

^{C)} This is the default slump class for this designated concrete.

^{D)} For trench fill, the recommended consistence class is S4.

^{E)} See NHBC Technical Standards 2.1 [8].

^{F)} For extreme applications, e.g. foundry floors and busy public roads, specialist advice should be sought.

^{G)} Depends on method of placing and finishing.