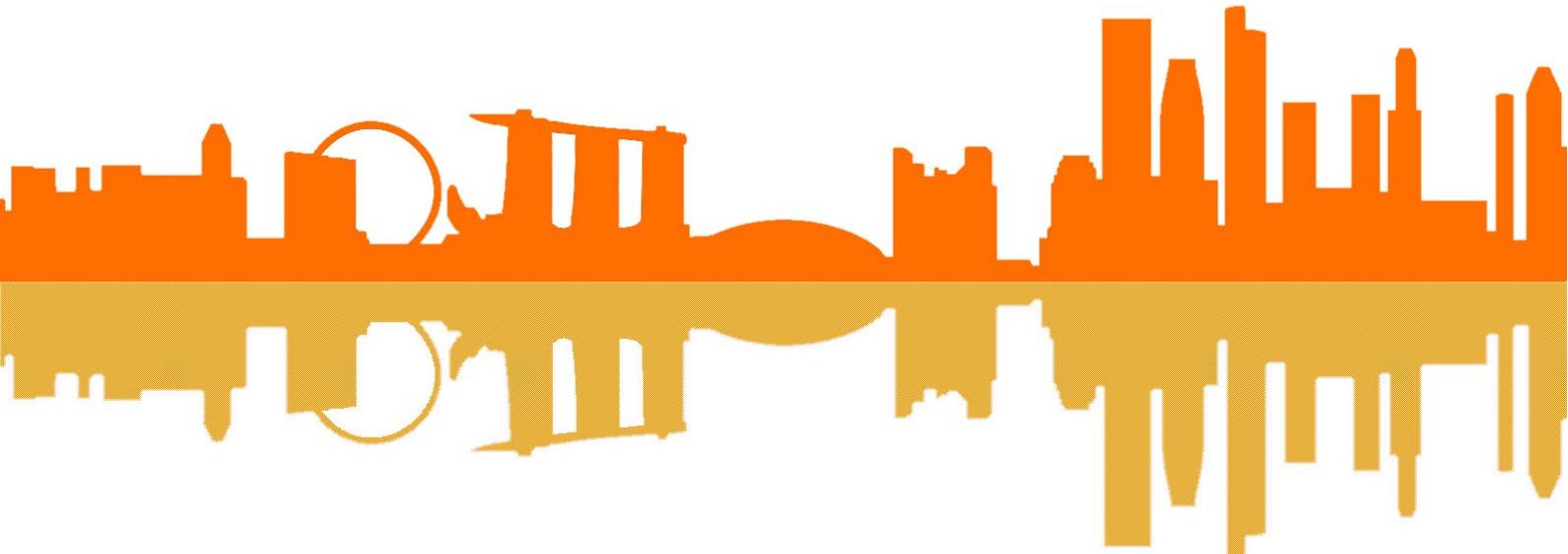


# CODE ON **ACCESSIBILITY** IN THE BUILT ENVIRONMENT 2019



## APPENDIX F

## SLIP RESISTANCE OF FLOOR FINISHES

▪ **Grading of Slip Resistance** **CI F.1****F.1 GRADING OF SLIP RESISTANCE**Slip Resistance  
Grading

F.1.1 Materials to be used as floor finishes are graded under dry or wet conditions. The grading of the slip resistance of some of the typical materials is shown in Table F1.

F.1.2 In Table F1 the grading:

\*Very good – means surface suitable for areas where special care is required, with an approximate coefficient of friction of more than 0.75;

\*Good – means surface satisfactory for normal use with an approximate coefficient of friction of 0.4 to 0.75;

\*Poor to fair – means surface below acceptable safety limits with an approximate coefficient of friction of 0.2 to 0.4; and

\*Very poor – means unsafe surface with an approximate coefficient of friction of less than 0.2.

Note:

- (1) *Thick carpets are not recommended for wheelchair movement.*
- (2) *Reference should be made to the current edition of SS 485 for more information and details.*

**TABLE F1**  
*Slip Resistance of Typical Flooring Surfaces*

Slip Resistance  
Floor Surfaces

Material	Slip-resistance*		Remarks
	Dry and Unpolished	Wet	
Clay tiles (carborundum finish)	very good	very good	May be suitable for external stairs
Carpet	very good	good	
Clay tiles (textured)	very good	good	May be suitable for external stairs
Cork tiles	very good		
PVC with non-slip granules	very good	good	
PVC	very good	poor to fair	Slip-resistance when wet may be improved if PVC is textured. Edges of sheet liable to cause tripping if not fixed firmly to base.
Rubber (sheets or tiles)	very good	very poor	Not suitable near entrance doors.
Mastic asphalt	good	good	
Concrete pavers (Interlocking)	good	good	
Vinyl tiles	good	fair	
Linoleum	good	poor to fair	Edges of sheets may cause tripping if not securely fixed to base.
Concrete	good	poor to fair	If a textured finish or a non-slip aggregate is used, slip-resistance value when wet may be increased to good.
Granolithic	good	poor to fair	Slip-resistance when wet may be improved to good by incorporating carborundum finish.
Cast iron	good	poor to fair	Slip-resistance may be acceptable when wet if open treads are used.
Clay tiles	good	poor to fair	Slip-resistance when wet and polished very poor.
Terrazzo	good	poor to fair	Non-slip nosing necessary on stairs. Slip-resistance when polished or if polish is transferred by shoes from adjacent surfaces very poor.
Marble/granite	good	very poor to fair	Slip-resistance when wet and polished very poor.