Access doors shall be constructed of steel, aluminum, or concrete with an approved non-slip surface having a static coefficient of friction between 0.60 and 1.00 as determined by ASTM Designation C 1028-89. Access doors on inclined surfaces greater than 4% shall have a coefficient of friction between 0.80 and 1.00.

Owners are responsible to maintain the non-slip characteristics of the access door over its life in the sidewalk area.

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Product	COF	Manufacturer		
SlipNOT Grip Plate		SlipNOT Safety Flooring, W.S. Molnar		
Grade 1 (Fine)	0.95	Company, Detroit, MI		
Grade 2 (Medium) in Galvanized		Website: <u>www.slipnot.com</u>		
Steel or Aluminum	0.98			
Mebac Grade 3, Galvanized Steel	0.96	IKG Mebac Slip Resistant Metal		
Mebac Grade 2, Galvanized Steel		Surfaces, IKG Industries, Harsco		
Mebac Grade 2, Aluminum		Corporation, Clark, NJ		
EZ Weld, Aluminum	0.93	Website: <u>www.ikgindustries.com</u>		
Algrip 2000	0.80	Grating Pacific LLC, Seattle, WA		
		Website: <u>www.gratingpacific.com</u>		
ALCOA Aluminum		LW Products, Woodinville, WA		
Tread Plate - Lightly sandblasted	0.87	Website: www.lwproducts.net/		
Gratemaster Transformer Vault		Gratemaster Inc.		
Ventilation Grate used by PGE	0.70	PO Box 1040		
13.5" X 13.5" surface area		North Plains, OR 97133-1040		
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Synertech Underground Products		Utility Vault Company		
Oldcastle Precast underground	0.88	Division of Oldcastle Precast, Inc.		
enclosures – Used by Qwest		Website: www.oldcastle-precast.com		
High Density Polymer Concrete		Wilsonville, OR [503.682.2844]		
Syracuse Castings Safety Sure		Utility Vault Company		
Grip Diamond Plate, Syracuse	0.94	Division of Oldcastle Precast, Inc.		
Castings, Cicero NY		Website: www.oldcastle-precast.com		
Used by BWW		Wilsonville, OR [503.682.2844]		
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US Castings, Entiat, WA	1	Utility Vault Company		
332 Aluminum Cast Doors	0.98	Division of Oldcastle Precast, Inc.		
for Utility Vault Company		Website: www.oldcastle-precast.com		
		Wilsonville, OR [503.682.2844]		
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Qwest 30 Cast Iron Manhole cover		Utility Vault Company		
Qwest, Attn: Scott Miller	0.80	Division of Oldcastle Precast, Inc.		
8021 SW Capitol Hill Road / 110		Website: www.oldcastle-precast.com		
Portland, OR 97219		Wilsonville, OR [503.682.2844]		
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Approved M	/letal Non-	slip surface	es (July	2003)

Additional products may be approved by the City Engineer on an "approved equal" basis. COF – Coefficient of Friction (wet)