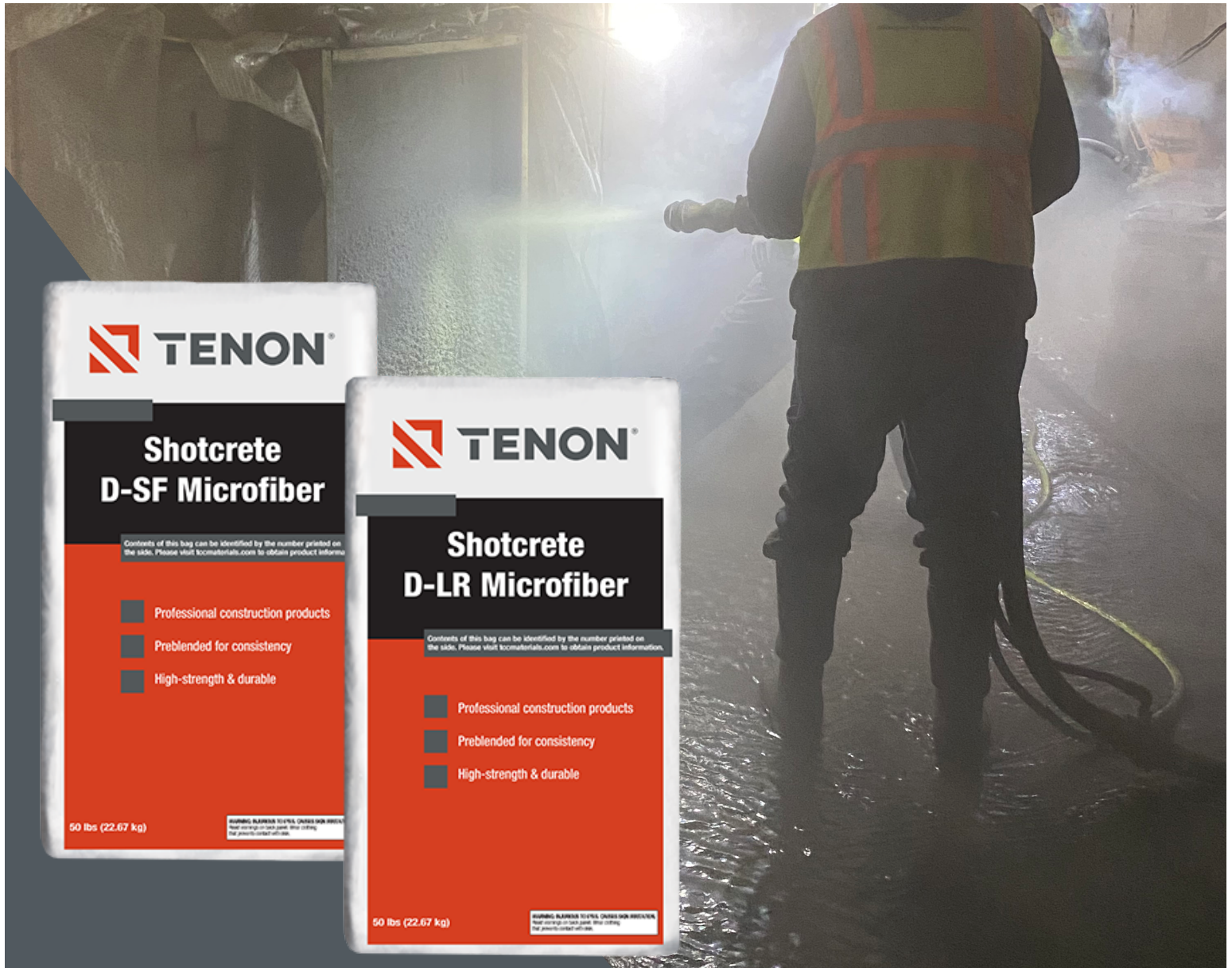




TENON[®]

Shotcrete



Vertical, Overhead, or Horizontal

Tenon offers dry-process shotcretes containing pre-blended Portland cement, air-entraining admixtures, set-time accelerators, synthetic fibers, selectively blended aggregates, and propriety performance-enhancing components. Tenon offers two types of shotcrete depending on intended use and application. Tenon Microfiber D-SF contains silica fume, allowing for higher compression strength and reduced permeability, making the shotcrete more resistant to water penetration, chloride ingress, and chemical attacks. Tenon D-LR Microfiber is specifically designed to provide excellent application characteristics with balanced performance properties and to provide low resistivity values complementing preplaced cathodic protection systems.

Features:

- High strength, faster application, reduced need for framework, & enhanced bonding to substrates
- Preblended to meet ACI 506 Table 1.1 Gradation No. 1 or 2
- Low shrinkage, low permeability, & low rebound
- Freeze-thaw & salt-scaling resistant
- Low resistivity, enhances cathodic protection performance (D-LR2)



TENON®

Shotcrete



Application

Apply Tenon Shotcrete Microfiber in accordance with ACI 506 "Guide to Shotcrete" publication.

	Shotcrete D-LR	Shotcrete D-SF
Compressive Strength psi (ASTM C1604/C109)		
1 day	>3000 psi (20.7 MPa)	>3800 psi (26.2 MPa)
3 days	>4000 psi (27.6 MPa)	>5000 psi (34.5 MPa)
7 days	>5000 psi (34.5 MPa)	>6000 psi (41.4 MPa)
28 days	>6000 psi (41.4 MPa)	>7000 psi (48.3 MPa)
Flexural Strength psi (ASTM C78)		
28 days	N/A	>1000 psi (6.9 MPa)
Air Content, percent (ASTM C457)	6% ± 2%	6% ± 2%
Set Times (ASTM C1117)	Initial 4 hrs, final 6 hrs	Initial 4 hrs, final 6 hrs
Electrical Resistivity	6500 Ω·cm	N/A
Maximum Volume of Permeable Voids, (ASTM C642)	15%	15%
Boiled Absorption (ASTM C642)	6%	6%
Maximum Air Void Spacing Factor (ASTM C457)	300 um/m	300 um/m
Rapid Chloride Permeability (ASTM C1202)	N/A	700 Coulombs
Freeze-Thaw Resistance (ASTM C666)	N/A	90%
Salt-Scaling Resistance (ASTM C672)	N/A	0.04 lb/ft² (0.2 kg/m²)
Drying Shrinkage (ASTM C157)	N/A	650 um/m

Available In:

Tenon® Shotcrete D-LR 1 & 2, D-SF 1,2, 1 CI & 2 CI Microfiber are available in an 80 lb. (36 kg.) bags and 3000 lb. (1360 kg.) bags.

D-LR1 80 lb. (36 kg.) bag (BOM #112865)
D-LR2 80 lb. (36 kg.) bag (BOM #112866)
D-LR1 3,000 lb. (1,360 kg) bag (BOM #110258)
D-LR2 3,000 lb. (1,360 kg) bag (BOM #112864)
D-SF1 80 lb. (36 kg.) bag (BOM #112870)
D-SF2 80 lb. (36 kg.) bag (BOM #112868)
D-SF1 CI 80 lb. (36 kg.) bag (BOM# 116899)
D-SF2 CI 80 lb. (36 kg.) bag (BOM# 116897)
D-SF1 3,000 lb. (1,360 kg) bag (BOM #112869)
D-SF2 3,000 lb. (1,360 kg) bag (BOM #112867)
D-SF1 CI 3,000 lb. (1,360 kg) bag (BOM #116898)
D-SF2 CI 3,000 lb. (1,360 kg) bag (BOM #116896)



80 lb. bag
D-SF1
BOM #112870

For professional use only.

It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use. For technical assistance, please contact TCC Materials. To acquire technical and safety literature, please visit our website.