ARTECH TECHNOLOGIES INC
Superior Abrasion Resistant Materials

ACTCHEM® 140 VC

PRODUCT DATA

Actchem® 140 VC is a single component, air setting castable with an excellent abrasion resistance which can be easily vibration cast into location without the requirement of high intensity, high frequency vibration.

Actchem® 140 VC has a unique bonding system which allows a wide range of water addition, provides long working times and ease of installation. Early high strength and low abrasion is achieved at ambient temperatures.

Actchem® 140 VC can be used in a wide range of applications, but typical areas of use include field joints, y-sections, line bends, overhead lines, and other high abrasion applications where greater insulation is desired.

Service Temperature	2300°F	Water Required	6 to 7%
Abrasion Loss (ASTM C-704)	≤ 8 cc	Material Required	140 lb/ft^3

Thermal Conductivity	Mean Temp.	Btu-in./hr/ft^2/°F	W/m/K
	1500°F	6.8	0.98
	2000°F	7.6	1.10

Physical Properties

Test Temperature (°F)	Bulk Density (pcf)	Cold Crushing Strength (psi)	Modulus of Rupture (psi)	Permanent Linear Change (%)
Ambient	142 – 147	> 6,000	1,000	Nil
230	137 – 144	> 10,000	2,000	0.0 to -0.1
660	137 – 144	> 12,000	1,300	-0.1 to -0.2
1500	137 – 141	> 12,000	1,300	-0.2 to -0.3

Chemical Analysis

Al_2O_3	SiO_2	Fe_2O_3	TiO_2	CaO	P_2O_5	Alkalies
43.3	49.1	1.0	1.8	3.4	0.4	1.0

Packaging: 50 lb. bags at 72 per pallet

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