

US CONSTRUCTION GROUT PM

16 Greenmeadow Dr., Suite 202 | Timonium, MD 21093 410.561.8770 | www.uscproducts.com

POLYMER MODIFIED, NON-SHRINK NON-METALLIC FLOWABLE GROUT

TECHNICAL DATA

DESCRIPTION: **US Construction Grout PM** is a specifically formulated combination of portland cement,

fine sands, admixtures and a dry polymer for added bonding characteristics, durability and freeze-thaw resistance. When mixed properly, **US Construction Grou**t **PM** yields a durable non-shrinking (expansive), non-staining grout. Mix US Construction Grout PM to any con-

sistency from plastic to flowable at the jobsite.

USE ON: Tunnel cavities, machine plates, anchoring systems and cavity filling

ADVANTAGES: • Excellent compressive and bond strength

Low permeability

Best bond to concrete substrates

Easy placement by hand or pump

Expansive

Durable

Formulated to inhibit alkali silica

	1 DAY	7 DAYS		28 DAYS
Compressive Strength (ASTM C 109 Modified)				
Plastic 128 ounces/80lb bag	3500 psi	8000 psi		10000 psi
Flowable 160 ounces/80 lb bag	2500 psi	6000 psi		8000 psi
Fluid 192 ounces/80 lb bag	1500 psi	4000 psi		6800 psi
Flow @ 160 ounces per bag (ASTM C 1107)	30 seconds			
Chloride Permeability (ASTM C 1202)	940 Coulombs			
Setting Times		Initial 2 hours	Final 2.5 hours	
Open Time	35 minutes			
Length Time	+ 1.0% (maximum)			
Density	140 lb/ft³			



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MIXING:

For each 80 lb bag of **US Construction Grout PM** add water according to the chart above for desired consistency. In a clean, appropriate, high speed, mechanical mixer add 75% of pre-measured water. With the mixer operating, add the **US Construction Grout PM**. Add remaining water as needed to achieve the desired consistency. Continue to mix until a homogeneous consistency has been achieved. Do not add additional water and do not mix more than six minutes. Material should be continually re-circulated prior to placement to avoid thickening and settlement. Do not over mix. Should small quantities be required, be sure to proportion admixture, water and portland cement accordingly.

LIMITATIONS:

US Construction Grout PM should be used when ambient temperatures are at 40°F (4°C) and rising. Lower temperatures produce a slower set; higher temperatures produce a faster set. For temperatures below 40°F (4°C) consult with the manufacturer for special cold weather placement provisions which include but are not limited to conditioning of the materials, use of heated mix water and thermal protection. In hot weather use chilled water for mixing.

PACKAGING:

US Construction Grout PM is packaged in 80 lb Kraft multi-wall, polyethylene lined bags. Yield when mixed with 160 ounces of water is approximately .63 ft³.

CAUTION:

WARNING! CONTAINS FREE SILICA & PORTLAND CEMENT. DO NOT BREATHE DUST. May cause delayed lung injury (silicosis). Follow OSHA safety and health standards for crystalline silica (quartz). Cement powder or freshly mixed concrete grout or mortar may cause skin injury. Avoid contact with skin and wash exposed skin areas promptly with water. If any cement powder or mixture gets into the eyes, rinse immediately and repeatedly with water and get prompt medical attention.