



City of LA
RR #25526

03 60 00 GROUT

HUB 100 II

High Flow, High Strength, Non-Shrink, Non-Corrosive Grout

PHYSICAL PROPERTIES

All Physical Property testing performed in laboratory conditions of 73°F (22.8°C) ± 3°F (-16°C) and a relative humidity no less than 50% unless otherwise determined by the test method or specification. All results represent **HUB 100 II** at a fluid (4.5 qts) consistency unless listed otherwise. Tests are conducted under standardized conditions for comparative purposes, and results may not be representative of performance under field conditions.

Property and Test Method	Results			
Compressive Strength				
ASTM C109 via C1107	1 Day	3 Days	7 Days	28 Days
B - PLASTIC 3.0 qts	3,800 psi (26.18 MPa)	6,200 psi (42.72 MPa)	7,500 psi (51.71 MPa)	8,500 psi (58.57 MPa)
C - FLOWABLE 4.0 qts	3,200psi (22.05 MPa)	5,800 psi (39.96 MPa)	7,200 psi (49.64 MPa)	8,000 psi (55.16 MPa)
D - FLUID 4.5 qts	2,000 psi (13.79 MPa)	3,500 psi (24.13 MPa)	5,500 psi (37.92 MPa)	7,500 psi (51.71 MPa)
Rate of Set @ 75°F				
ASTM C266	Working Time	Initial	Final	
B - PLASTIC - 3.0 qts	:45	1:30	3:30	
C - FLOWABLE - 4.0 qts	2:00	2:45	4:00	
D - FLUID - 4.5 qts	2:30	3:00	4:30	
B - 100% - 125% flow table (ASTM C230, 5 drops in 3 seconds) C - 125% - 145% flow table (ASTM C230, 5 drops in 3 seconds) D - 28 second flow cone method (ASTM C939)				
Bond Strength				
ASTM C882	7 Days		28 Days	
	2,500 psi (17.23 MPa)		3,000 psi (20.68 MPa)	
Height Change				
ASTM C1090	1 Day	3 Days	7 Days	28 Days
	+0.01%	+0.03%	+0.05%	+0.05%

LIMITATIONS

In addition to limitations already mentioned, please note the following. Do not apply when the surface or ambient temperature is below 40°F (4°C) or when the temperature is expected to fall below 40°F within 48 hours. When grouting at minimum temperatures, ensure surfaces in contact with grout do not fall below 40°F until final set has been achieved and grout has reached 3,000 PSI. Do not apply over surfaces that are frozen or contain frost. Do not apply over any active faults or cracks in the substrate without addressing any movement that may occur. Do not use as a patching or overlay mortar or in unconfined areas. Setting time will speed up in hot weather and slow in cold weather. For hot and cold weather applications, contact your HUB Construction Specialties representative.

REGULATORY

Read and follow application information, precautions and Material Safety Data Information.

Right-to-know

This product contains Portland Cement (CAS#65997-15-1) and Crystalline Silica (CAS# 14808-60-7)

HMIS

Health 1, Fire 0, Reactivity 0

Prop 65

Warning! This product contains Crystalline Silica, a chemical known to the State of California to cause cancer or reproductive toxicity.

VOC Content

0 g/L

CAUTION

EYE AND SKIN IRRITANT

Contains Portland Cement (CAS# 65997-15-1) and Crystalline Silica (CAS# 14808-60-7). Do not allow contact with eyes or skin. Avoid breathing dust - silica may cause serious lung problems. The use of gloves, goggles, dust masks and other protective clothing is recommended. If cement or sand particles get into eyes, rinse immediately with clean water and seek prompt medical attention.

HUB LOCATIONS

Corporate Headquarters:

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Phone: 909-379-2100 Fax: 909-885-0983

1-888-HUB-HASIT www.hubhasit.com

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Fresno: 800-816-1227

Ontario: 800-229-2482

Glendale: 800-889-4482

Indio: 800-486-4482

Oakland: 800-500-1906

Santa Ana: 877-482-4274

Lake Havasu City: 800-369-9509

National City: 800-411-7255

Rancho Cordova: 800-755-2266

San Marcos: 800-252-5482

Paramount/Long Beach:

Murrieta: 866-482-4274

855-482-4274

Bakersfield: 800-585-4482

WARRANTY The manufacturer warrants that the Chemical Products sold to Purchaser will be of good quality and will conform with the published specifications in force on date of acceptance of the order or the Manufacturer will replace or, at our election, refund the purchase price of any Product proved defective. Any claim regarding Product defect must be received in writing within one year of the date of shipment. Descriptions, representations and other information concerning the Manufacturer's Products contained in the Manufacturer's catalogs, advertisements or other promotional materials or statements or representations made by the Manufacturer's sales agents, distributors or representatives shall not be binding and shall not be part of this limited warranty unless expressly identified in writing as PRODUCT SPECIFICATIONS. Purchaser shall determine the suitability of the Product for his intended use and Purchaser assumes all liabilities and risk whatsoever. This limited warranty is Purchaser's exclusive remedy. THE MANUFACTURER, ITS SALES AGENTS, DISTRIBUTORS AND/OR REPRESENTATIVES SHALL NOT IN ANY EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE WHATSOEVER, INCLUDING LOST PROFITS. NOT OTHER EXPRESS AND NO IMPLIED WARRANTIES OF ANY TYPE, WHETHER FOR MERCHANTABILITY, FITNESS FOR A PARTICULAR USE OR OTHERWISE SHALL APPLY TO THE PRODUCTS.

Yield: 50 lbs (22.7 kg) will fill approximately 0.43 ft³ (0.012 m³) when 4.5 qts mixing water is used.