

BROCK WHITE C.I. GROUT®

CONSTRUCTION AND INDUSTRIAL GROUT

USES:

- Structural Column Base Plates
- Machinery Base Plates
- Bridge Bearing Seats
- Underpinning
- Concrete Repairs
- Post Tensioned Grouting and Cable Grouting
- Penetration Grouting Under Pressure
- Embedment Concrete

DESCRIPTION:

Brock White C.I. non-shrink grout is a ready-to-use cement based grout containing a refinement of the non-ferrous fluidfying anti-shrinkage compounds and meets recent Corp of Engineers' Specifications CRD-C-621 and ASTM-C-827. A detailed description of physical properties is given on the other side of this sheet.

FEATURES:

- Long working time
- High-early strength
- Excellent workability
- Ready-to-use, add water
- Pourable
- Non-corrosive
- Non-staining
- Versatile
- Can be pumped or vibrated
- Dimensionally stable
- Flowable
- Non-bleeding

Victoria 250-384-8032	Burnaby 604-299-8551	Coquitlam 604-777-9774	Langley 604-888-3457	Kelowna 250-765-9000
Prince George 250-564-1288	Edmonton 780-447-1774	Calgary 403-287-5889	Lloydminster 780-875-6860	Saskatoon 306-931-9255
Regina 306-721-9333	Winnipeg 204-694-3600	Thunder Bay 807-623-5556		

BROCK WHITE C.I. GROUT®

CONSTRUCTION AND INDUSTRIAL GROUT

DESCRIPTION:

C.I. Grout is a ready-to-use, cement-based, non-ferrous, anti-shrink grout. It is designed for all construction and industrial grouting applications. It can be pumped, poured or dry-packed. The maximum thickness neat is 6 cm (2-3/8"). For deeper repair patching of up to 15 cm (6") thick, add 30% by weight of washed, cleaned and SSD 10 mm (3/8") pea gravel.

SPECIFICATIONS:

C.I. Grout conforms to ASTM C1107 Grade C and Corps of Engineers Specification CRD-C621. Also, this product is "non-combustible" in accordance with IMO FTP Code requirements.

Physical Properties:

Compressive Strength ASTM C 109 (CAN/CSA-A5) ASTM C 1107, Grade C)

	Dry Pack	Plastic	Flowable
1 day	> 5900 Psi (40,6 Mpa)	> 2300 Psi (15,8 Mpa)	> 1750 Psi (12 Mpa)
3 days	> 8200 Psi (56,5 Mpa)	> 3700 Psi (25,5 Mpa)	> 3000 Psi (20,6 Mpa)
7 days	> 9600 Psi (66,2 Mpa)	> 4900 Psi (33,7 Mpa)	> 3800 Psi (26,2 Mpa)
28 days	> 11000 Psi (75,8 Mpa)	> 7100 Psi (48,9 Mpa)	> 6150 Psi (42,4 Mpa)

	Dry Pack	Plastic	Flowable
Mixing Ratio (Water/50 lb. [22.7 kg] bag)	3.5L	5.1L	5.6L
Flow table (ASTM C 230)	Form a ball	110%	135%
Density	2.24	2.13	2.08
Pot Life	Not Applicable	60 Minutes	60 Minutes
Initial set (ASTM C 266)	2.5 hours	4.5 hours	6.0 hours
Final set (ASTM C 266)	3.0 hours	6.0 hours	7.5 hour
Approximate Yield per bag	.451 cu. ft	.495 cu. ft	.515 cu. ft
Temperature range (during application)	5° - 35°C		

BROCK WHITE C.I. GROUT IS PACKED IN 25KG (55LB) BAGS.



POQ-19-FG (2009-02-14)



LEED® Project / Materials Declaration Form
Projet LEED® / Formulaire de Déclaration des Matériaux

General Information Requirements

Information Général

Date: **2009-04-23**

Product Name / Nom du produit: **Steels CI Grout**

Manufacturer's Name / Nom du fabricant: **MAPEI**

Project / Projet: **Vancouver**

Contact Name / Nom du Contact:

Recycled Content

Contenu Recyclé

Materials Resources Credit 5.1 - 5.2

Crédit pour Matériaux et Ressources 5.1 - 5.2

Percentage re-consumer recycled portion / Pourcentage de contenu recyclé avant consommation : **4% - 10%**

Regional Manufacturer and Extracting Site of Materials

Matériaux d'Extraction et Fabrication Régionale

Materials Resources Credit 5.1 - 5.2

Crédit pour Matériaux et Ressources 5.1 - 5.2

To be considered a local material it must either be: Manufactured/Extracted within 800km of the site and shipped by truck OR Manufactured/Extracted within 2400km of the site and shipped by rail or ship.

Pour être considéré un matériau régional il doit être: Fabriqué/Extrait à moins de 800km du site et expédié par camion OU Fabriqué/Extrait à moins de 2400km du site et expédié par train ou bateau.

Manufactured in:

Fabriqué à: **Delta**

Method of Transportation:

Méthode de transport: ☒ Truck / Camion

☐ Rail/Water Train/Bateau

Distance between project site and location of manufacture:

Distance entre le site de fabrication et le lieu du projet: **21 km**

What percentage (by weight) of this product is extracted locally? Quel est le pourcentage (en poids) du produit extrait localement : **89%**

Method of Transportation:

Méthode de transport: ☒ Truck / Camion

☐ Rail/Water Train/Bateau

Distance between project site and location of extraction:

Distance entre le site d'extraction et le lieu du projet: **21 km**

Low-emitting Materials

Matériaux à faibles émissions

Indoor Environmental Quality Credit 4.1 - 4.2

Crédit pour contrôle des sources intérieures d'émissions 4.1 - 4.2

VOC limit per Rule 1168 / Teneur maximale de COV selon règlement 1168: **65 g/l**

VOC limit per Rule 1113 / Teneur maximale de COV selon règlement 1113: **g/l**

VOC of this material from MSDS / Teneur en COV pour ce matériau: **0 g/l**

The above material is LEED® Canada compliant / Le matériau mentionné ci-haut est conforme à la norme LEED® Canada

Signature :

Benoît Prévost

Représentant technique Sr./ Sr. Technical Representative