

### 1. PRODUCT DESCRIPTION

#### 1.1. MAIN USE

Econofill GG is a grout based on portland cement, fine sand, crushed stone with a diameter of 2.5-10 mm and specialized additives to control rheology, ensure good adhesion and prevent segregation in the fluid phase. It is used as a reinforcement and consolidation grout to fill concrete blocks and embed reinforcement in masonry walls. Econofill GG is formulated to meet the properties prescribed in CSA A179-14 (2024) for a coarse-grained grout.

#### 1.2. ADVANTAGES

- 1.2.1. Econofill GG is specially formulated to produce a liquid grout that fills concrete block cells completely, leaving no voids (honeycombs). Its rheology is controlled by a judicious choice of additives and not by adding excess water, which would reduce the grout's performance. Econofill GG forms a highly stable grout without segregation or bleeding.
- 1.2.2. As part of a LEED® v4 certification, Econofill GG contributes to the MR credit Building Product Declaration and Optimization - Procurement of raw materials with recycled content. Please refer to our validated Vertima Eco-Declaration environmental data sheets for further details.

#### 1.3. LIMITATIONS

- 1.3.1. Econofill GG must only be used to fill cavities or cells whose smallest horizontal dimension is at least 50 mm.
- 1.3.2. Any modification to the composition of the grout is prohibited and automatically voids the warranty.
- 1.3.3. The addition of additives and/or adjuvants such as gas pedals, retarders, antifreeze agents, waterproofing agents, polymers (latex) or others of any kind is prohibited.

### 2. INSTALLATION

#### 2.1. INSTALLATION CONDITIONS

- 2.1.1. Ensure that ambient, surface and product temperatures are between 5 °C (40 °F) and 35 °C (95 °F) during application and for 48 hours thereafter.
- 2.1.2. Masonry must be sufficiently hardened to prevent mortar joints from bursting as a result of consolidation methods or the hydraulic pressure of the grout (generally, the masonry wall must have been built for at least 12 hours before filling begins).

#### 3. MIXING

- 3.1. Mix the amount that can be applied within 1-1/2 hours of mixing. Do not add water after this time. Discard unused material.
- 3.2. **SMALL-BATCH MIXING (1 BAG)**
  - 3.2.1. Pour 3.0 liters (0.7 gallons) of potable water into a suitable container (20-liter pail).
  - 3.2.2. Gradually add the dry ingredients, stirring at low speed with an industrial-grade drill fitted with a Jiffler-type agitator. The drill should have a minimum capacity of 1/2" and variable speeds.

- 3.2.3. Mix for a minimum of 5 minutes, but not more than 10 minutes. If necessary, add water to obtain the desired plasticity.

*Note: Never mix less than one bag.*

*Note: It is strongly recommended to use an ASTM C-143 slump cone to quickly check the consistency of the mix and avoid excess water.*

#### 3.3. LARGE-VOLUME MIXING

- 3.3.1. Use a mortar mixer of appropriate capacity (the mixer must be at least ¾ full). Start the mixer. Pour in the required amount of potable water, i.e. 3.0 liters of water per 30 kg (66 lb) of dry material.
- 3.3.2. Gradually add dry material. Continue mixing according to instructions in section 3.2.3.

*Note: Always mix complete units.*

### 4. APPLICATION

- 4.1. Econofill GG can be applied by gravity or pumping. Refer to CSA A23.1-14 article 7.4.2 for pumping.
- 4.2. Refer to CSA A371-14 section 8.2 for application.

### 5. PROTECTION AND CURING

- 5.1. Protect from frost (temperature above 5 °C, 40 °F) and rain for 48 hours after application.
- 5.2. Protect finished work from mortar splashes using a tarpaulin.

### 6. CLEANING

- 6.1. Clean equipment with water while mixture is still curing. Once the mix has hardened, only mechanical cleaning will be effective.
- 6.2. Throughout the work, carefully remove grout splashes and stains using a suitable stiff bristle brush (do not use a wire brush).
- 6.3. Consult the component manufacturer or a cleaning specialist when more thorough cleaning is required. It is important to preserve the integrity of the mortar during cleaning. Allow mortar to set for a minimum of 28 days before washing.

### 7. PACKAGING

This product is packaged in 30 kg (66 lb) paper bags and 1500 kg (3307 lb) supersacks. A pallet of 30 kg (66 lb) bags contains 63 bags.

### 8. STORAGE

#### 8.1. OUTDOOR STORAGE

Store in a cool, dry place. Avoid placing bags directly on the ground.

#### 8.2. OUTDOOR STORAGE

Cover bags with waterproof film. Do not store directly on the ground.

#### 8.3. LIFETIME

Shelf life is 12 months in unopened, well-protected bags.

## 9. FIRST AID

WEAR IMPERMEABLE GLOVES, such as nitrile, eye protection, protective clothing and rubber boots. Do not breathe or swallow dust. Wear a NIOSH-approved respirator (mask) such as N95 in poorly ventilated areas, during prolonged or repeated use, or when maximum exposure limits may be exceeded. Do not eat, drink or smoke when using this product. Before handling, read and understand the safety information on this label and on the Material Safety Data Sheet (MSDS) available online at [www.daubois.com](http://www.daubois.com).

IF EXPOSED: Wash contaminated clothing and body thoroughly and immediately. If in eyes: rinse cautiously with water for several minutes; remove contact lenses if present; continue rinsing. In case of inhalation: remove to fresh air and make patient comfortable to breathe. If swallowed, rinse mouth; do not induce vomiting. In case of burns, skin irritation or rash: seek medical advice immediately. Seek immediate medical attention if symptoms are severe or persistent.

## 10. TECHNICAL SERVICE

Contact Les Produits Daubois Inc. for information on application methods and conditions, and to obtain the latest technical literature.

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## 11. GUARANTEE

Get the LIMITED WARRANTY applicable on

<https://www.daubois.com/en/garantie/>

Or send a written request to Les Produits Daubois Inc, Five Concourse Parkway, Atlanta, GA 30328, USA. Quikrete Canada Holdings, Limited. Manufactured by or under the authority of Les Produits Daubois Inc. ©2025 Quikrete International, Inc.

## TECHNICAL DATA TABLE

Characteristic	Results <sup>1</sup>	20 MPa
Slump, ASTM C-143	-	250 to 280 mm (10 to 11 in.)
Compressive strength, ASTM C-39 CAN/CSA-A179-14: 7 days (min 7.5 MPa) - 28 days (min 12.5 MPa)	7 days 28 days	min. 15 MPa (2175 psi) min. 20 MPa (2900 psi)
Tensile adhesion on concrete block, CSA 23.2-6B	7 days 28 days	2.11 MPa (290 psi) 2.96 MPa (429 psi)
Shear bond strength ASTM C-882	7 days 28 days	11.7 MPa (1697 psi) 15.1 MPa (2190 psi)
Flexural strength, ASTM C-348	7 days 28 days	4.4 MPa (638 psi) 6.2 MPa (899 psi)
Shrinkage, ASTM C-157	28 days	0,04 %
Expansion, ASTM C-940	-	0 %
Dye penetration, ASTM C-940	-	0 %
Air content, ASTM C-231	-	< 3 %
Density	-	2330 kg/m <sup>3</sup> (145 lb/ft <sup>3</sup> )
Yield per 30 kg (66 lb) bag	-	0.018 m <sup>3</sup> (0.65 ft <sup>3</sup> )

<sup>1</sup>Laboratory results obtained under controlled conditions (23°C, 50% R.H.) for a standard sample mixed with the prescribed quantity of water. These results may vary slightly from one sample to another and are indicative of grout performance. They cannot be used to accept or reject a bag of grout.

Note: All compressive strength tests must be accompanied by a slump test.