

TECHNICAL DATA SHEET

DESCRIPTION

ProFill is a superior-grade, one-component, elastomeric, urethane sealant and filler that creates waterproof joints in horizontal concrete substrates.

USE

ProFill's semi-self-leveling characteristics provide a smooth finish which makes it ideal for filling cracks or gaps on horizontal surfaces such as concrete driveways, sidewalks, patios, steps, garage floors, above ground foundations, and other concrete surfaces. Fills expansion joints up to 1½ in. wide x ¾ in. deep, and contains a unique, specially-formulated technology which allows it to be exposed to water after only 2 hours without washing out.

FEATURES

- Meets ASTM C719 and D412
- Water resistant after 2 hours
- Gray color
- Crack and shrink resistant
- Ready to use (no mixing)
- Paintable
- Provides waterproof seal
- Superior adhesion

PROPERTIES

Meets ASTM C719 and D412
See Appendix A for Properties & Test results

Note:

It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use.

voc

ProFill has a VOC of less than 50 g/L. Compliant with all Canadian and U.S. VOC regulations including Federal EPA, OTC, LADCO, SCAQMD & CARB.

Estimating Guide

Each 10 oz. tube yields approximately 12 lin. ft. at ½ in. x ¼ in. joint (3.6 m at 13x6 mm)

Each 29 oz. tube yields approximately 34 lin. ft. at ½ in. x ¼ in. joint (34 m at 13x6 mm)

Packaging

PRODUCT CODE	PACKAGE	SIZE	
		Gallon / Ounce	Liters
101199	Cartridge- 12/case	10 oz	295 ml
101201	Cartridge- 12/case	29 oz	857 ml

STORAGE

The material should be stored cool and dry between 40°-80°F (5°-32°C). Protect from freezing. Shelf life of properly stored, unopened containers is 12 months.

Surface Preparation:

Joints to be filled must be clean, dry, free of curing compounds and structurally sound. Remove all oil, grease, dirt, laitance, curing compounds and any other foreign material that may cause a problem with bond. Re-sawing, abrasive blast cleaning and mechanical removal methods are recommended. Use clean, oil free, compressed air to blow out any remaining dust or debris prior to installation. In older concrete, the old joints must be routed out to remove old material and widen, if necessary.

For best results the surfaces should be dry, frost-free, and fully cured a minimum of 28 days.

APPLICATION

Fills cracks and expansion joints in interior and exterior horizontal concrete surfaces.

Maximum width of joint: 1½ in. (38 mm)

Maximum depth of joint: ¾ in. (19 mm)

Placement:

Use cartridge in standard caulking gun. Trim cartridge tip to desired bead size. Puncture seal multiple times with a seal punch.

Use in joints of maximum width of 1½ in. (38mm) and depth of ¾ in. (19mm). If the gap is more than ¾ in. (19mm) deep partially fill with a closed-cell backer rod or clean, dry sand before filling with product. The maximum finished depth of ProFill should be ½ the thickness of the width of the joint (2:1 width-to-depth ratio).

Repair can be tooled to even out the surface. Taping on each side of a crack can give finished joints a cleaner appearance.

For best results, air and surface temperature should be between 40°F-100°F (4°C-38°C) for proper application.

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Do not apply if rain threatens or is predicted within 2 hours.

CURING

Product should be air-cured. Protect from traffic and debris for a minimum of 24 hours. Allow joint filler to cure for at least 2 hours before exposing to water. Full cure in is dependent on the application size and ambient conditions. Thicker applications, low temperatures, and low humidity can extend cure time.

If painting over the Profill use a water-based paint and allow a minimum cure time of 24 hours.

CLEAN UP

Clean tools and equipment before the urethane sets using cleaners such as mineral spirits, xylene or Dayton Superior Citrus Cleaner J48. Excess material may be cleaned with a damp cloth and/or mineral spirits. Avoid getting sealant on skin. Wash hands with soap and water. Excess cured urethane can be removed with a razor blade. Avoid undercutting the seal.

LIMITATIONS

FOR PROFESSIONAL USE ONLY

Follow all industry standard safety procedures when handling, such as gloves and eye protection. Use opened cartridge the same day.

If Profill is to be coated, a sample application is recommended for compatibility and site approval. Rigid paints/coatings (including epoxy coatings) over flexible sealants may result in a loss of adhesion of the paint/coating due to potential movement of the sealant.

Do not apply if rain threatens or is predicted within 2 hours.

For best results, air and surface temperature should be between 40°F-100°F (4°C-38°C) Joint application may be tack free after 24 hours but will require more time to cure completely.

PRECAUTIONS

READ SDS PRIOR TO USING PRODUCT

- Wear protective clothing, gloves and eye protection (goggles, safety glasses and/or face shield)
- Use with adequate ventilation
- Keep out of the reach of children
- Do not take internally
- In case of ingestion, seek medical help immediately

- If skin contact occurs, wash immediately with soap and water and seek medical help as needed.
- If eye contact occurs, flush immediately with clean water and seek medical help as needed
- Dispose of waste material in accordance with federal, state and local requirements

MANUFACTURER

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Technical Services: 877-266-7732
Website: www.daytonsuperior.com

WARRANTY

Dayton Superior Corporation ("Dayton") warrants for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Dayton, the product is free of manufacturing defects and conforms to Dayton's product properties in force on the date of acceptance by Dayton of the order. Dayton shall only be liable under this warranty if the product has been applied, used, and stored in accordance with Dayton's instructions, especially surface preparation and installation, in force on the date of acceptance by Dayton of the order. The purchaser must examine the product when received and promptly notify Dayton in writing of any non-conformity before the product is used and no later than 30 days after such non-conformity is first discovered. If Dayton, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only a Dayton officer is authorized to modify this warranty. The information in this data sheet supersedes all other sales information received by the customer during the sales process. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

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Dayton shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, its obligations under any contract for sale of product, even if Dayton could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this contract, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.

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Appendix A

Table 1: Test Results for ProFill

Property	Test Method	Result
Consistency/Appearance	----	Smooth, Viscous Paste
Tack Free Time	ASTM C679 (max. 72 hrs.)	Approx. 90 min.
Flexibility	ASTM 734	Excellent @ -15°F (-26°C)
Flash Point	Closed Cup	>200°F (93°C)
Freeze/Thaw Stability	Test Lab 0°F/77°F @24 hrs or ASTM C731	Passes 5 cycles
Artificial Weathering	ASTM - QUV Tester	2,500 hrs. QUV—no cracking
Paintability	Test Lab/Field Evaluation	Excellent w/ most industrial & consumer paints; 2 hrs. drying (test prior to painting)
Stain & Color Change	ASTM C510 (no visible stain)	Passes
Tensile Strength	ASTM D412	Approx. 188 psi
Total Joint Movement	ASTM C719	+/- 50%
Elongation	ASTM D412	> 900%
Odor	----	Low
Base Polymer	----	Silyl-terminated polymer/MS Blend
Pigment	----	Calcium Carbonate / Titanium Dioxide