

Code	Description	Size	Colour
175406	Soudal Pro Expanding Foam Gun Grade	750ml	Champagne

### 1. Description

Soudal Pro Expanding Foam Gun Grade is a one-component, self-expanding, ready to use polyurethane foam. CFC Free Propellants.

### 2. Characteristics

- It uses CFC-free propellants which are completely harmless to the ozone layer.
- Excellent adhesion on most materials, including Polystyrene (except PE/PP & Teflon)
- High thermal and acoustical isolation
- Very good filling capacity
- Excellent bonding and installing capacity
- 50% less propellant
- Excellent mounting capacity
- Remains waterproof providing the integrity of the skin of the cured foam is maintained
- Draft Proof and Pest Resistant (Note: Rodents and persistent boring pests may over time make their way through the product)

### 3. Technical Data

<b>Base:</b>	Polyurethane
<b>Consistency:</b>	Stable Foam
<b>Curing System:</b>	Moisture-cure
<b>Skin formation: (20°C/65 % R.H.)</b>	Ca 7 minutes
<b>Density:</b>	Ca. 22kg/m <sup>3</sup>
<b>Temperature Resistance:</b>	-40°C till +90°C (cured)
<b>Curing Time: (20°C/65 % R.H.)</b>	1 hour for a 30mm bead
<b>Cutting Time:</b>	30 minutes
<b>Acoustic Installation: (EN ISO717-1)</b>	58 dB
<b>Yield: (FEICA TM 1003)</b>	750ml yields ca. 38 litres of foam
<b>Shrinkage: (after cure)</b>	<1%
<b>Post-Expansion</b>	<4%
<b>Cellular Structure</b>	Ca. 70-80% closed cells
<b>Insulator Factor:</b>	32 mW/m.K
<b>Compressive Strength:</b>	Ca. 21 kPa
<b>Shear Strength:</b>	Ca. 40 kPa
<b>Water Absorption: (EN1609)</b>	Ca. 0,27 kg/m <sup>2</sup>

\*This varies according to ambient conditions such as temperature, humidity, substrate etc

### 4. Applications

- Insulation and sealing. E.g. Windows and Doorframes
- Filling of cavities around pipes
- Connecting of isolation materials and roof constructions
- Creation of a soundproof screen
- Improving thermal isolation in cooling systems
- Application of a soundproofing layer on motors
- Requires Soudal Gun Grade Foam Gun

## 5. Packaging

Gun Grade can 750ml

## 6. Shelf Life

18 months in unopened packaging in a dry and cool storage place. Containers are stamped with a best before date.

## 7. Application Instructions

### Surfaces

Type:	Various porous surfaces such as wood, concrete, stone and other materials commonly used in construction. Not suitable for polyethylene and polypropylene
State:	Clean, dry, free of grease and loose particles.
Pre-treatment:	Moisture in the air or the substrates will cure the adhesive, which will foam slightly. Slightly moistening the substrates will speed up the cure and increase the filling properties of the adhesive. Adhesion to metal batons is determined by surface preparation. An initial wipe with Soudal Surface Activator is required.
	Soudal recommends a preliminary compatibility test.

### Application

Application Temperature:	+5°C to +35°C
Clean:	Before curing from tools and materials, with Soudal Expanding Foam Cleaner gun Grade.
Repair:	Cured adhesive has to be removed mechanically. With Soudal Pro Expanding Foam Gun Grade.

### Limitations

Soudal Pro Expanding Foam Gun Grade can be applied to a wide variety of substrates. Due to the fact that specific substrates may differ from supplier to supplier, Holdfast recommends preliminary compatibility tests.  
Soudal Pro Expanding Foam Gun Grade is not UV-Resistant.

### Directions for Use

- Take can of Soudal Pro Expanding Foam Gun Grade and shake vigorously.
- Click can on to adapter of gun.
- Release the flow adjustment screw lightly and dispense foam immediately to fill the entire gun with foam.
- The Soudal Pro Expanding Foam Gun Grade is now ready for use.
- Foam output can be controlled with flow adjustment screw.

### After Use

- Always keep a filled can of Soudal Pro Expanding Foam Gun Grade on the gun
- Tighten the flow adjustment screw completely.
- Do not empty the gun.
- Soudal Gun Grade Foam Gun must always be filled with foam, otherwise foam will cure due to the humidity in the air.
- Put can away in a vertical position (gun upwards).

### Repeated use

- Shake the can vigorously once a month (keep hold of the gun).
- Remove cured foam at the tip of the nozzle carefully with a small, sharp knife.
- Release the flow adjustment screw lightly and dispense foam immediately until the flow of foam is correct.
- The Soudal Pro Expanding Foam Gun Grade is now ready for use.
- Foam output can be controlled with trigger of the gun.

### Replacing of can

- Check if the can is empty by dispensing foam in a dustbin until no more foam is released.
- Take a new can of Soudal Pro Expanding Foam Gun Grade. Shake vigorously.
- Unscrew the empty can (keep valve opening away from you), remove released foam from adapter and replace the empty can immediately with a new one.
- Dispense foam immediately to fill the extension tube.

#### **Cleaning at times of interruption**

- Unscrew the can of Soudal Pro Expanding Foam Gun Grade (keep valve opening away from you).
- Take a can of Soudal Expanding Foam Cleaner Gun Grade and screw the can on the gun.
- Pull the trigger again to refill the gun with cleaner.
- Unscrew the can Soudal Expanding Foam Cleaner Gun Grade.
- Click the can Soudal Pro Expanding Foam Gun Grade on to the Soudal Gun Grade Foam Gun.
- Pull trigger of the gun again until foam is released and cleaner completely removed.
- The gun is now ready for use.
- Note for light use situations we recommend using Soudal Expanding Foam Cleaner Gun Grade prior to installing new can

#### **Limitations**

- As some timber treatments contain wax it is recommended that the surface of these timbers is wiped down with Soudal Surface Activator or Soudal Cleaner & Degreaser before application of adhesive.
- For the filling of large volumes apply product in layers and moisten between each layer

**Warning: Product has limitations. Please ensure when using this product that you read the instructions carefully. Soudal recommends to test prior due to the diversity of substrates and applications that are out of Soudal's control. Soudal cannot accept accountability for adverse results.**

#### **8. Health and Safety Recommendation**

- Apply the usual industrial hygiene.
- Never burn away the PU-Foam
- Please refer to MSDS for more detailed information

#### **Remark**

*The directives and data contained in this documentation is provided in good faith and accurately reflect Soudal's knowledge when its products are properly stored, handled and applied under normal conditions in accordance with Soudal's recommendations. In practice, the diversity of the materials, substrates, environments, site conditions, product storage, handling and application are such that no warranty can be given in respect to the merchantability or fit for purpose, of any product. All users must determine the product suitability for their purposes through testing. This technical data sheet and product properties may change without notice so users, suppliers and retailers of Soudal products should always check that the data sheets they have are the latest. To the maximum extent permitted by law, Soudal disclaims all warranties in relation to either the manufacture, storage and end use of the product. All orders are accepted subject to our current terms of trade. If any clarification is required, please contact Soudal Technical Services.*

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