| Code | Description | Size | Colour |
|------|-------------|------|--------|
| 20088 | Gorilla Pro Expanding Foam Click & Fix | 750ml | Champagne |

## 1. Description

Gorilla Pro Expanding Foam Click & Fix 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

| | |
|---|---|
| *Base:* | Polyurethane |
| *Consistency:* | Stable Foam |
| *Curing System:* | Moisture-cure |
| *Skin formation:* (20˚C/65 % R.H.) | Ca 7 minutes |
| *Density:* | Ca. 22kg/m³ |
| *Temperature Resistance:* | -40˚C till +90˚C (cured) |
| *Curing Time:* (20˚C/65 % R.H.) | 1 hour for a 30mm bead |
| *Cutting Time:* | 30 minutes |
| *Acoustic Installation:* (EN ISO717-1) | 58 dB |
| *Yield:* (FEICA TM 1003) | 750ml yields ca. 38 litres of foam |
| *Shrinkage:* (after cure) | <1% |
| *Post-Expansion* | <4% |
| *Cellular Structure* | Ca. 70-80% closed cells |
| *Insulator Factor:* | 32 mW/m.K |
| *Compressive Strength:* | Ca. 21 kPa |
| *Shear Strength:* | Ca. 40 kPa |
| *Water Absorption:* (EN1609) | Ca. 0,27 kg/m² |

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

### H1 insulation R-Value Calculations based on thickness of Gorilla Expanding Foam Range

| Product | mW/m.K (TDS) | Thickness mm | | | | | | | | | |
|---------|--------------|----|----|----|----|----|-----|-----|-----|-----|-----|
| | | 50 | 60 | 70 | 80 | 90 | 100 | 125 | 140 | 200 | 220 |
| Gorilla PRO Expanding Foam Aerosol | 29.70 | 1.68 | 2.02 | 2.36 | 2.69 | 3.03 | 3.37 | 4.21 | 4.71 | 6.73 | 7.41 |
| Gorilla PRO Expanding Foam "CnF" | 32.00 | 1.56 | 1.88 | 2.19 | 2.50 | 2.81 | 3.13 | 3.91 | 4.38 | 6.25 | 6.88 |
| Gorilla FLEXI Expanding Foam | 35.00 | 1.43 | 1.71 | 2.00 | 2.29 | 2.57 | 2.86 | 3.57 | 4.00 | 5.71 | 6.29 |
| Gorilla SMART Expanding Foam | 37.00 | 1.35 | 1.62 | 1.89 | 2.16 | 2.43 | 2.70 | 3.38 | 3.78 | 5.41 | 5.95 |
| Gorilla MS Foam | 37.00 | 1.35 | 1.62 | 1.89 | 2.16 | 2.43 | 2.70 | 3.38 | 3.78 | 5.41 | 5.95 |
| Gorilla FR Expanding Foam | 30.20 | 1.66 | 1.99 | 2.32 | 2.65 | 2.98 | 3.31 | 4.14 | 4.64 | 6.62 | 7.28 |
| Gorilla FR Expanding Foam Aerosol | 34.00 | 1.47 | 1.76 | 2.06 | 2.35 | 2.65 | 2.94 | 3.68 | 4.12 | 5.88 | 6.47 |
| Gorilla One Shot Foam | 35.40 | 1.41 | 1.69 | 1.98 | 2.26 | 2.54 | 2.82 | 3.53 | 3.95 | 5.65 | 6.21 |

## 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 Gorilla Click & Fix Gun

## 5. Packaging

Click & Fix 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. Building Product Information

**Manufactured By**         Soudal NV
**Distributed By**          Soudal Ltd

**Relevant Building Code Clauses**

- Clause B2 DURABILITY: Performance B2.3.1 (b) 15 years

- Clause E2 EXTERNAL MOISTURE: Performance E2.3.2.

- Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1.

**Contribution to compliance With NZBC**

Performance B2.3.1 (b): Assessment of durability to meet the NZBC is based on difficulty of access and replacement of the air seal, and the ability to detect failure of the air seal both during normal use and maintenance of the building when used as Air-seals (i.e. in dry, interior environments where the product is inaccessible, and completely sheltered from exposure to sunlight, chemicals, solvents and temperature extremes), they will remain serviceable for at least 15 years.

Performance E2.3.2: Complying with the requirements of NZBC Acceptable Solution E2/AS1 when installed in accordance with the design. Soudal maintains manufacturing and production records within its ISO9001:2015 Quality Management System, this product has performed successfully since it was introduced in 1999.

Performance F2.3.1: This product meets this requirement when used and applied in accordance with Soudal's product installation instructions and does not present a health hazard to people occupying or using the building. Refer to the Soudal Technical Data sheet and product Safety Data Sheet, soudal.co.nz  for further information if required.

## 8. 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 Gorilla 696 Surface Activator is required.

Soudal recommends a preliminary compatibility test.

**Application**
Application Temperature:    +5℃ to +35℃
Clean:                      Before curing from tools and materials, with Gorilla Expanding Foam Cleaner.
                           Cured adhesive has to be removed mechanically.
Repair:                     With Gorilla PRO Expanding Foam.

**Limitations**

Gorilla PRO Expanding Foam 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.
Gorilla PRO Expanding Foam is not UV-Resistant.

**Directions for Use**
· Take can of Gorilla Pro Expanding Foam Click & Fix 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 Gorilla Pro Expanding Foam Click & Fix is now ready for use.
· Foam output can be controlled with flow adjustment screw.

**After Use**
· Always keep a filled can of Gorilla Pro Expanding Foam Click & Fix on the gun
· Tighten the flow adjustment screw completely.
· Do not empty the gun.
· Gorilla Pro Expanding Foam Click & Fix 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 Gorilla Pro Expanding Foam Click & Fix 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 Gorilla Pro Expanding Foam Click & Fix. 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 Gorilla Pro Expanding Foam Click & Fix (keep valve opening away from you).
· Take a can of Gorilla Cleaner code 20107 and click the can on the gun.
· Pull the trigger again to refill the gun with cleaner.
· Unscrew the can Gorilla Cleaner code 20107.
· Click the can Gorilla Pro Expanding Foam Click & Fix on to the Gorilla Click & Fix Applicator 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 Gorilla Cleaner 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 Gorilla 696 Surface Activator or Gorilla Solvent Cleaner 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. Holdfast recommends to test prior due to the diversity of substrates and applications that are out of Holdfast's control. Holdfast cannot accept accountability for adverse results.**

## 9. Health and Safety Recommendation

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

*Remark*

**Last Updated:** 27 March 2024

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