Code	Description	Size	Colour
20041	Gorilla Flexi Expanding Foam Click & Fix	750ml	Blue

1. Description

· Gorilla Flexi Expanding Foam Click & fix is a one-component, self-expanding, ready to use polyurethane foam. Fitted with a patented Click & Fix adaptor for use only with Soudal applicator gun code 20106. CFC Free Propellants

2. Characteristics

· High thermal and acoustic insulation
· High elasticity recovery accommodates movement
· Minimal post expansion
· Excellent adhesion to most substrates (check exceptions)
· Can be compressed
· Stable with good gap filling abilities
· 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, Thixotropic
Curing System:	Moisture curing
Skin Formation: (20°C & R.H.=65%)	7 min
Cutting Time:	40 min
Density:	Ca. 25kg/m3
Air Permeability: (DIN 18542)	A<0,1m3/[h.h.(daPA)2/3]
Water Vapour Permeability: (DIN EN ISO12572)	μ=20
Sound Insulation: (EN ISO 717-1)	60dB
Insulation Factor: (DIN52612)	35.0 mW/m.K
Curing Time:	1 hour for a 30mm bead at 20°C
Box Yield:	750ml yields ca. 26.5l of foam
Shrinkage after Curing:	<5%
Post-expansion after Curing:	<5%
Cellular Structure:	Fine-cellular structure
Fire Rating (DIN4102)	B2
Permanent deformation under pressure (ISO 1856) 50% compression 22h after 1 day recovery:	Ca. 6%
Compressive Strength:	Ca. 15 kPa
Tensile Strength:	Ca. 42 kPa
Elongation at Break:	Ca. 25,1%
Shear Strength:	Ca. 2,5 N/cm2
Water Absorption:	Ca. 0.28 kg/m^2
Temperature Resistance:	–40°C till +90°C (cured) 120°C (max 1 hour)

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

4. Applications

· For joints where thermal or acoustic insulation is required

- Vibrating Construction gap filling
- Installation and sealing of door and window frames
- Impact and shock dampening
- Filling of cavities eg, around pipe penetrations
- Sealing and connecting of insulation material
- Excellent adhesion to many porous substrates

5. Packaging

Click & Fix can 750ml

6. Shelf Life

18 months in unopened packaging in a cool dry storage place at temperatures between +5°C and +25°C. Always store can with valve pointed upwards.

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 Gorilla 696 Surface Activator is required. Holdfast recommends a preliminary compatibility test.

Application

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

Limitations

Gorilla Flexi Expanding Foam can be applied to a wide variety of substrates. Due to the fact that specific substrates may differ from Supplier to Supplier, Soudal recommends preliminary compatibility tests.
Gorilla Flexi Expanding Foam is not UV-Resistant.

Directions for Use
- Requires Holdfast Applicator Gun code 20106
- Apply in temperature range +5°C to +30°C
- Clean with Gorilla Cleaner code 20107 before curing.
- Repair – Gorilla Flexi Expanding Foam Click & fix
- UV - Gorilla Flexi Expanding Foam Click & fix should be protected from UV for maximum life.

Starting off
- Take can of Gorilla Flexi Expanding Foam Click & fix
- Click can on to adapter of gun code 20106
- Release the flow adjustment screw slightly and dispense foam immediately to fill the entire gun with foam
- The Gorilla Flexi Expanding Foam Click & fix is now ready for use
- Foam output is controlled with flow adjustment screw and trigger

After Use
- Always keep a filled can of Gorilla Flexi Expanding Foam Click & fix on gun to prevent gun blockage
- Tighten the flow adjustment screw completely
- Do not empty the gun
- Store in a vertical position (gun inwards)

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 Flexi Expanding Foam Click & fix is now ready for use
- Foam output can be controlled with flow adjustment screw and trigger

Replacing of can
- Check if the can is empty by dispensing foam in a dust-bin until no more foam is released
- Take new can of Gorilla Flexi Expanding Foam Click & fix. Shake vigorously
- Unclick the empty can (keep valve opening away from you), and replace the empty can immediately with a new one
- Dispense foam immediately to fill the gun

Cleaning at times of interruption
- Unclick the can of Gorilla Flexi 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 until all foam ceases expressing and only Gorilla Cleaner is evident
- Unclick the can Gorilla Cleaner code 20107
- Click the can Gorilla Flexi Expanding Foam Click & fix on to the Gorilla Click & Fix Applicator Gun code 20106
- Pull trigger off the gun again until foam is free of Clean
- The gun is now ready for use
- Note for light use situations we recommend using Gorilla Cleaner prior to installing new can

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 or email** sales@soudal.co.nz.*

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