Code	Description	Size	Colour
20050	Gorilla Pro Expanding Foam	400ml	Champagne
20048	Gorilla Pro Expanding Foam	750ml	Champagne

1. Description

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

2. Characteristics

- Excellent adhesion on most materials (except PE/PP)
- High thermal and acoustical isolation
- Very good filling capacity
- Excellent bonding and installing capacity
- 15% more yield
- 50% less propellant
- Excellent mounting ability
- Remains waterproof providing the integrity of the skin is maintained of the cured foam
- Draft Proof and Pest Resistant (Note: Rodents and persistent boring pests may over time make their way through the product)

3. Technical Data

Basis:	Polyurethane
Consistency:	Stable foam, thixotropic
Curing System:	Moisture curing
Skin Formation:	8 minutes
Cutting Time:	30 minutes
Density:	Ca. 29 kg/m^3
Acoustic Insulation: *(EN ISO 717-1)*	58 dB
Insulation Factor: *(FECIA TM 1020)*	29,7 mW/m.K
Curing Time:	90 minutes for a 30mm bead
Box Yield:	750ml yields ca 27l of foam
Shrinkage:	<2%
Post – expansion:	<2%
Cellular Structure:	Ca. 70% closed cells
Fire Rating:	No fire classification
Compressive Strength:	Ca. 21 kPa
Shear Strength:	Ca. 55 kPa
Water Absorption:	0,27 kg/m^2
Temperature Resistance:	-40°C till +90°C (cured)

**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

- Mounting and sealing of windows and doorframes
- Filling of cavities around pipes
- Connecting of isolation materials and roof constructions
- Application of a soundproofing layer on motors
- Improving thermal isolation in cooling systems
- Adhering to many porous substrates e.g. concrete, wallboard, particleboard flooring, & timber

5. Packaging

400ml Aerosol canister (net)
750ml Aerosol canister (net)

6. Shelf Life

15 months in unopened packaging in a dry and cool storage place. Upright storage is recommended.

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.

Application

Method: Aerosol can, shake thoroughly before application
Application temperature: 5°C to +30°C
Clean: Gorilla Expanding Foam Cleaner before curing
Repair: Gorilla Pro Expanding Foam

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.

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.

Remarks:

- Always moisten surfaces in order to improve curing and cellular structure
- Cured Gorilla Pro Expanding Foam must be protected from UV-radiation by painting or applying a top layer of sealants (silicone, MS Polymer, etc)
- For the filling of large volumes apply product in layers and moisten between each layer
- Always store canister with the valve pointed upwards

Soudal recommends preliminary compatibility tests on surfaces on which PU Foams have not been applied previously.

8. Health and Safety Recommendation

- Apply the usual industrial hygiene.
- Wear gloves and safety goggles.

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 info@soudal.co.nz.***

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