

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

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

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

Holdfast 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 contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.

If any clarification is required, please contact Holdfast Technical Services or email sales@holdfast.co.nz.

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