

Code	Description	Size	Colour
20250	Gorilla SMART Expanding Foam	600ml	Champagne

1. Description

Gorilla SMART Expanding Foam is a ready to use single component self expanding Polyurethane Foam. Due to the patented Genius Gun system the application of PU Foam becomes very easy and precise. The extrusion straw can be resealed which makes it possible to continue the application from a partially used canister for several weeks.

2. Characteristics

- Excellent form stability – no shrink, no post expansion
- Excellent filling characteristics
- Excellent adhesion to all building materials (except PE, PP and PTFE)
- High insulation values, both thermal and acoustical
- Excellent installation performance

3. Technical Data

Base:	Polyurethane
Colour:	Champagne
Consistency:	Stable Foam
Curing System:	Moisture Cure
Skin Formation (20 °C/65% R.H):	Ca. 10min.
Curing Rate (20 °C/65% R.H):	Ca. 90min – 30mm foam bead
Specific Gravity:	Ca. 26kg/m ³ (extruded, fully cured)
Temperature Resistance:	– 40°C until +90°C when cured. Short term (up to 1 hour) 120°C
Shrink:	None
Post expansion:	None
Cellular Structure:	Ca. 70–80% closed cells
Fire Class:	B3 (DIN4102 Part2)
Water Absorption:	1% Vol. (DIN53422)
Insulation Factor:	33mW/meter Kelvin (DIN 52612)
Pressure Strength (DIN 53421):	Ca. 3 N/cm ²
Bowing Strength (DIN 53423):	Ca. 7 N/cm ²
Shear Strength (DIN 53427):	Ca. 17 N/cm ²

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

4. Applications

- Installation of door- and window frames
- Filling of cavities
- Sealing and filling of openings and cavities in roof constructions
- Creation of an acoustic screen
- Creation of a sound deadening layer
- Improvement of insulation in cold store facilities

- All other usual PU Foam applications

5. Packaging

Aerosol canister of 600mL (net content)

6. Shelf Life

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

7. Application Instructions

- Shake the canister thoroughly for ca 30 seconds. Open the lid on the top and wear the enclosed gloves. Straighten the applicator tube.
- Apply a fine water spray to the surface which needs to be clean and free of grease and dust..
- Turn around the canister and extrude the foam carefully by applying pressure on the trigger.
- Fill cavities on for 30 to 40 % as the foam will continue to expand during the curing process.
- Shake canister regularly during the application. If Foam is applied in several layers, moisten between each layer of foam.
- At the end of the application, close the applicator tube with the sealing plug and click into the holder. Close the lid. The canister can be reactivated for up to 6 weeks if resealed correctly.
- Uncured foam can be removed with Foam Cleaner or acetone. Cured foam can only be removed mechanically.



Remarks:

- Always moisten surfaces in order to improve curing and cellular structure
- Cured Gorilla SMART 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.
- Remove cured foam by mechanical means only, never burn away

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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