



| Code  | Description                        | Size  | Colour    |
|-------|------------------------------------|-------|-----------|
| 60060 | Topotec Expanding Foam Click & Fix | 750ml | Champagne |
| 60061 | Topotec Expanding Foam Screw on    | 750ml | Champagne |

### Description

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

### Characteristics

- 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 ability
- Remains waterproof providing the integrity of the skin is maintained of the cured foam
- Low VOC on curing

### Technical Data

|                                |   |
|--------------------------------|---|
| <i>Base:</i>                   | Polyurethane  |
| <i>Consistency:</i>            | Stable foam   |
| <i>Foam Character:</i>         | Thixotropic, does not slump   |
| <i>Curing System:</i>          | Moisture cure   |
| <i>Skin Formation:</i>         | 10 minutes at 20°C/65% RH   |
| <i>Curing Rate:</i>            | 1 hour for a 30mm bead  |
| <i>Shrinkage:</i>              | None  |
| <i>Drying Time:</i>            | Dust free after 20-25 minutes   |
| <i>Temperature Resistance:</i> | -40°C until +90°C (cured)   |
| <i>Foam Yield:</i>             | 750ml yields 48lt* foam   |
| <i>Post Expansion:</i>         | None  |
| <i>Cellular Structure:</i>     | ca.70-80% closed cells  |
| <i>Maximum tension:</i>        | ca 15N/cm <sup>2</sup>  |
| <i>Specific Gravity:</i>       | ca.21-25kg/m <sup>2</sup> (extruded)  |
| <i>Vapour Permeability:</i>    | 70g/m <sup>2</sup> /24h (DIN 53429)   |
| <i>Water absorption:</i>       | 0.4% Vol. (DIN 53429)   |
| <i>Fire Class:</i>             | B3 (DIN 4102 part 2)  |
| <i>Acoustic rating:</i>        | 57dB (din 52210-PART 3)<br>"Institut fur Fenstertechnik, Rosenheim' Germany   |
| <i>Insulation Factor:</i>      | (0.032 Kcal/m.hoC (lambda)<br>(0.032 Kcal/m.hoC (lambda) European standard<br>(NZ Standard R-Value) = 100mm wall R VALUE 3.12 |

|                  |   |
|------------------|---|
| VOC (%)          | 20%   |
| VOC (g/litre)    | 146   |
| Life Expectancy: | Tested to 15 years. Known life of 30 years. |

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

## 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
- Requires Toptec applicator gun

## Packaging

Colour: Champagne

## Shelf Life

9-12 months in unopened packaging in a dry and cool storage place. Containers are stamped with a best before date.

## Shelf Life

*Type:* All substrates except PE, PP & Teflon  
*State:* Surfaces must be clean and free of dust and grease  
*Preparation:* Moistening of the surfaces improves adhesion, curing and cellular structure. If layers are required, repeat moistening

## Application

*Method:* Toptec Expanding Foam Applicator Gun  
*Application Temperature:* + 5°C until +30°C  
*Clean:* Toptec Expanding Foam before curing  
*Repair:* Toptec Expanding Foam  
*UV:* Toptec Expanding Foam should be protected from UV for maximum life

## Directions for Use

### Click & Fix

- Take can of Toptec Expanding Foam 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 Toptec Expanding Foam is now ready for use.
- Foam output can be controlled with flow adjustment screw.

### Screw On

- Take can of Toptec Expanding Foam and shake vigorously.
- Screw trigger regulator clockwise until trigger is closed
- Release the flow adjustment screw lightly and dispense foam immediately to fill the entire gun with foam.
- The Toptec Expanding Foam is now ready for use.
- Foam output can be controlled with flow adjustment screw.

### After use

- Always keep a filled can of Toptec Expanding Foam on the gun
- Tighten the flow adjustment screw completely.
- Do not empty the gun.
- Toptec Expanding Foam 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 Toptec Expanding Foam is now ready for use.
- Foam output can be controlled with trigger of the gun.

### Replacing of the Can

- Check if the can is empty by dispensing foam in a dust-bin until no more foam is released.
- Take a new can of Toptec Expanding Foam. 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 Toptec Expanding Foam (keep valve opening away from you).
- Take a can of Toptec Expanding Foam Cleaner and click the can on the gun.
- Pull the trigger again to refill the gun with cleaner.
- Unscrew the can Toptec Expanding Foam Cleaner.
- Click the can Toptec Expanding Foam on to the Toptec Professional Foam 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 Toptec Expanding Foam Cleaner prior to installing new can

### Limitations

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- As some timber treatments contain wax it is recommended that the surface of these timbers is activated with Gorilla 696 Surface Activator before application of adhesive.

### Health and Safety Recommendation

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- Apply the usual industrial hygiene
- Please refer to the SDS for more detailed information.

#### **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 0800 TOPTEC or email [sales@toptec.co.nz](mailto:sales@toptec.co.nz)**

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