

# HSE profile and Green Building contribution

## Hilti Firestop Putty Pad CP 617

**LEED** and **BREEAM** are third-party certification programs which provide a benchmark for the design, construction and operation of high-performance green buildings. Both promote a whole-building approach to sustainability and evaluate it by scoring points based on a set of criteria. Individual products cannot be certified under LEED or BREEAM but they can contribute to criterion compliance (prerequisites or credits).

The following information shows the areas where Hilti Firestop Putty Pad can potentially contribute, as well as the maximum number of points that can be achieved by accomplishing each criteria and state the required values and explanations for the building certification process.



**Hilti Firestop Putty Pad** is a ready to use firestop putty pad for use with plastic or metal boxes. It can be hand molded to fit any size of outlet box. It consists of putty material based on synthetic rubber and is non-conductive.

Sustainable sites management		LEED	BREEAM	
		Criteria (Up to # points) & Evaluation		
Construction site waste	No waste or dust generation during installation	<b>SS Prerequisite 1</b> ★★★★★	Wst 1 (3)	★★★★★
Life cycle assesment, Product Carbon Footprint	Under evaluation	<b>SS Credit 5.2 (1)</b> ★☆☆☆☆	Man 3d (4 for Man 3) Mat 1 (4)	★★☆☆☆
Water consumption	No water demand during installation and repenetration	<b>WE Credit 2 (2)</b> ★★★★★	Man 3c (4 for Man 3)	★★★★★
Water pollution	No waste water generation during installation and repenetration	★★★★★	Man 3e (4 for Man 3)	★★★★★
Application	No electric tool needed for installation and repenetration	-	-	

### Energy Optimization, Atmosphere and Pollution

Air tightness*	Not determined. Smoke tight when correctly applied	<b>EA Prerequisite 2</b> ★★☆☆☆	Ene 1 (15) Ene 6 (1)	★★☆☆☆
Thermal insulation*	Not determined.	<b>EA Credit 1 (1-19)</b> ★☆☆☆☆ <b>IEQ Credit 7.1 (1)</b> ★☆☆☆☆	Ene 1 (15) Mat 6 (2)	★★☆☆☆
Ozone Depletion Potential	Under evaluation	<b>EA Prerequisite 3</b> ★☆☆☆☆	IC (1)	★★☆☆☆

### Materials and Resources

Reusability	It is not reusable	<b>MR Credit 1.1 (1-3)</b> ★☆☆☆☆ <b>MR Credit 1.2 (1)</b> ★☆☆☆☆	Wst 1 (3)	★★☆☆☆
Product recycling	The product cannot be recycled or salvaged but the packaging can be totally recycled or salvaged	<b>MR Credit 2 (1-2)</b> ★★☆☆☆	Wst 1 (3)	★★☆☆☆
Recycled content	No, since firestop products require the traceability of their raw materials to guarantee uniform and constant product performance and quality.	<b>MR Credit 4 (1-2)</b> ★☆☆☆☆	Mat 5 (3)	★★☆☆☆
	The packaging is partially manufactured with recycled material			
Product origin	Raw materials origin: France	<b>MR Credit 5 (1-2)</b> ★☆☆☆☆		★★☆☆☆
	Manufacturing location: France		★★☆☆☆	
Rapidly Renewable Materials	Raw materials are not rapidly renewable	<b>MR Credit 6 (1)</b> ★☆☆☆☆	-	

### Indoor Environmental Quality, Health and Wellbeing

IAQ (Indoor Air Quality) Management	No dangerous good or labelling needed and no content of carcinogens	<b>IEQ Credit 3.1 (1)</b> ★★★★★	-	
	Halogen Free Flame Retardants	<b>IEQ Credit 3.2 (1)</b> ★★★★★		
Low-Emitting Materials Volatile Organic Compounds	VOC acc to LEED 2009 / EPA #24: 4.4 g/l - see statement dated Oct. 30, 2013	<b>IEQ Credit 4.1 (1)</b> ★★★★★ <b>IEQ Credit 4.2 (1)</b> ★★★★★	Hea 9 (1)	★★★★★
Acoustic Performance & Soundproofing	Rw** = Up to 71 dB and STC** = 49 (refer to test report BTC 15450A and 1801 99-1943.1A-3A). Protection to the sound passage and noise reduction.	-	Hea 13 (1)	★★★★★

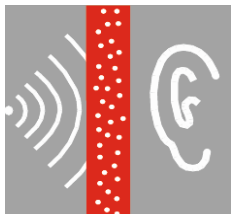
- ★★★★★ Product highly contributes to Green Building certification under this clause
- ★★★★☆ Product contributes to Green Building certification under this clause
- ★★★☆☆ Not applicable for this product or dependent on each situation and so not possible to evaluate in general terms
- ☆☆☆☆☆ Product makes no contribution to Green Building certification under this clause

\* Lower heating and cooling costs \*\* Sound reduction Index

**The sustainability of sites is improved with Hilti Firestop Putty Pad by supporting LEED, BREEAM and the following extra properties and highly important characteristics of a building, as well as, preventing effectively from the spread of a fire:**



The spread of fire in a building is probably the worst scenario owners or occupants can imagine. When it comes to effectively minimizing the effects of fire, the interplay of a variety of systems and elements is required. Active fire protection – including components such as fire alarms and fire extinguishers – is taken into account in many buildings. On the other hand, often less emphasis is placed to measures, which help to contain fire at its point of origin and prevent the spread of fire and smoke effectively. This should ideally be designed already in the planning phase. Components of passive fire protection create effective barriers against the passage of fire, smoke and toxic gases through openings in walls or floors, resulting from through-penetrations of cables and pipes, from construction joints or other damages.



Sound insulation is of great importance to the health and well-being of the occupants of a building. Hilti firestop products are tested for this purpose and individually tailored to the requirements of the installation and building structure. Hilti Firestop Putty Pad, tested in accordance with ISO 140-3, 20140-10 and 717-1 standard, allow compliance with the applicable sound insulation specifications for fireproofed penetrations through walls and floors, and joints between building components.

All the packagings and cans used by Hilti can be recycled. Hilti Firestop Putty Pad is ready-to-use, so no waste is generated on the jobsite during the construction phase, and it is considered household waste at the end of the life of the building. Please consider your national law regarding the disposal of the Firestop Putty Pad and contact your local Hilti partner for further information.



**If you need additional information or documentation on a certain HSE issue, please do not hesitate to contact your local Hilti partner - we are happy to provide you with additional information required to make your green building project a success.**