

### General Product Description

Protecta® FR Putty is an easy to apply fire and sound rated sealant supplied as a non-setting putty. The putty is hand workable, re-useable and re-serviceable due to its non-setting properties. The putty is manufactured and supplied in different shapes and forms for different applications.

#### Putty Pads for sockets

When electrical sockets and switches are installed in dry lining partitions, the original fire rating of the partition is compromised. Fitting Putty Pads will reinstate the fire rating of the partition for up to two hours (depending on the partition fire rating) preventing the passage of smoke and flames in a fire, and sound and air movement during service life, through the electrical socket, into the cavity.

#### Putty Cords for fire sealing services

The putty cord is designed to be easily fitted around service penetrations where the gap around the services is very small, or there is no gaps at all so a conventional fire rated sealant is impossible or difficult to fit due to the required depth and backing material. The putty cords are fitted covering the gap around the services and do not need to fill the gap to the required depth.

#### Putty Pads for water supply boxes

When tap water wall boxes are installed in dry lining partitions, the original fire rating of the partition is compromised. Fitting Putty Pads will reinstate the fire rating of the partition for 90 minutes preventing the passage of smoke and flames in a fire, and sound and air movement during service life, through the tap water wall boxes, into the cavity.

### Properties

- Supplied in different shapes and forms for multiple application areas
- Certified in many areas around the World, for instance in the EU, EEA, UK, UAE, New Zealand and Australia
- Installation is very simple and quick
- Stops penetration of both cold and hot smoke
- Self-adhesive and very easy to apply without tools
- Unaffected by moisture; can be used in wet rooms
- Never hardens and ensures a tight fit
- Can be reshaped to other sizes if necessary
- Provides excellent sound insulation
- Tested for air permeability up to 1000Pa
- Environment- and user friendly; contains no solvents
- Contains a low pressure intumescent for optimal fire protection
- Working life of at least 50 years
- Patented solution (Putty Cord)

### Sound Insulation

Description	Sound reduction
Putty Pads for sockets	Rw 67 dB

Protecta® FR Putty has been tested at BRE (UKAS accredited); according to EN ISO 140-3:1995. Single number quantities were calculated in accordance with EN ISO 717-1:1997. The test report is available upon request.



### Emission Data (indoor air quality)

Compound	Emission rate after 3 days	Emission rate after 4 weeks
TVOC	190 µg/m³	12 µg/m³
TSVOC	< 5 µg/m³	< 5 µg/m³
VOC w/o NIK	13 µg/m³	< 5 µg/m³
R Value	0.10	< 0.0099
Formaldehyde	< 3 µg/m³	< 3 µg/m³
Acetaldehyde	< 3 µg/m³	< 3 µg/m³
Carcinogenic	< 1 µg/m³	< 1 µg/m³

Regulation or Protocol	Conclusion
French VOC Regulation	A+
French CMR components	Pass
AgBB	Pass
Belgian Regulation	Pass
Indoor Air Comfort®	Pass
Indoor Air Comfort GOLD®	Pass
EN 717-1§	E1
BREEAM International	Compliant
BREEAM-NOR	Pass
LEED v4 (outside U.S.)	Compliant

Tested by Eurofins Product Testing. The test report is available upon request.

### Air Permeability

Positive Pressure (Pa)	Leakage (m³/h)	Negative Pressure (Pa)	Leakage (m³/h)
25	0.24	25	0.32
50	0.26	50	0.60
100	0.36	100	1.00
200	0.56	200	1.63
300	1.11	300	2.26
600	1.88	600	2.64
1000	2.49	1000	3.25

Protecta® FR Putty - tested at Warringtonfire Testing and Certification Ltd (UKAS accredited); according to EN 1026: 2016. The test report is available upon request.

### Technical Data

<b>Condition</b>	Ready for use, silicone based putty
<b>Durability/service</b>	Class Z <sub>2</sub> : Intended for uses in internal conditions with humidity lower than 85 % RH excluding temperatures below 0°C, without exposure to rain or UV
<b>Density</b>	1.55 g/ml
<b>Application temperature</b>	+4 °C to +40 °C
<b>Service temperature</b>	-70 °C to +120 °C
<b>Storage</b>	Stored in temperatures between 5C and 30C
<b>Working life</b>	Under normal conditions; 50 years
<b>Colour</b>	Red
<b>Form</b>	Pads or cords pre-shaped to its intended use
<b>Packaging</b>	Carton boxes