

# FR PUTTY CORD

TECHNICAL DATA SHEET



**iPASSIVE**

INNOVATIVE / FIRE / SOLUTIONS



## PRODUCT DESCRIPTION

iPASSIVE FR Putty Cord is an easy to apply fire rated putty supplied as a non-setting cord. The cord is hand workable, re-useable and re-serviceable due to its non-setting properties.

The putty cord is designed to be easily fitted around service penetrations where the gap around the services is very small, or there are 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 does not need to fill the gap to the required depth.

Fitting the putty cords will reinstate the fire rating of the partition and prevent the passage of smoke and flames in a fire, and sound and air movement during service life.

iPASSIVE FR Putty Cords are supplied in circular strips and are easy to fit with your thumbs; no tools are needed.

## TECHNICAL INFORMATION

<b>Condition</b>	Ready for use, acrylic based putty
<b>Durability</b>	Class Z2 : 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 5°C and 30°C
<b>Working life</b>	Under normal conditions: 50 years
<b>Colour</b>	Red
<b>Form</b>	Cords, pre-shaped to intended use
<b>Packaging</b>	Carton boxes

## FEATURES

- Installation is very simple and quick; fitted in a minute
- 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
- Environment and user friendly; contains no solvents
- Contains a low pressure intumescent for optimal fire protection
- Working life of at least 50 years

## EMISSION INFORMATION (INDOOR AIR QUALITY)

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

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

## TESTED STANDARD

Tested and assessed in accordance with AS 1530.4 and AS 4072.1.

## DISCLAIMER

As a part of our policy of on-going product development and testing, we reserve the right to modify, alter or change product specifications without giving notice. All information contained in this document is given in good faith and is provided for guidance only. Any drawings provided are for illustrative purposes only. As iPASSIVE has no control over the methods or competence of installation and of prevailing site conditions, no warranties, expressed or implied, are intended to be given as to the actual performance of the product mentioned or referred to herein and no liability whatsoever will be accepted for any loss, damage or injury arising from the use of the information given.

## FIRE RESISTANCE RATINGS

Construction	Description	Seal position	Insulation		FRR
Flexible or solid walls with thickness $\geq$ 100mm	Blank seals with diameter $\leq$ 14mm and putty cord at 15mm depth	Both sides	None required		-/120/120
	Single cables with $\leq$ $\varnothing$ 21mm or in a bundle $\leq$ $\varnothing$ 50mm		-/120/120		
	Single cables with $\leq$ $\varnothing$ 80mm or in a bundle $\leq$ $\varnothing$ 50mm		-/60/60		
	Mild/stainless steel pipe $\varnothing$ 4 - $\varnothing$ 21mm		-/120/60		
	Mild/stainless steel pipe $\varnothing$ 23 - $\varnothing$ 30mm		-/120/30		
	Copper pipe $\varnothing$ 6mm		-/120/120		
	Copper pipe $\varnothing$ 7- $\varnothing$ 12mm		-/120/60		
	Alupex pipe $\varnothing$ 16mm		-/120/120		
	Alupex pipe $\varnothing$ 17- $\varnothing$ 20mm		-/120/90		
	Mild/stainless steel pipe $\leq$ $\varnothing$ 40mm		min 500x20mm thick 80kg/m <sup>3</sup> stone wool	interrupted	-/120/120
			min 500x30mm thick 80kg/m <sup>3</sup> stone wool	continuous	-/120/120
	Mild/stainless steel pipe $\varnothing$ 41 - $\varnothing$ 324mm		min 500x20mm thick 80kg/m <sup>3</sup> stone wool	interrupted	-/120/120
			min 500x30-80mm thick 80kg/m <sup>3</sup> stone wool	continuous	-/90/60
	Copper pipe $\leq$ $\varnothing$ 54mm / 1.2 - 14.2mm wall thickness		min 500x20mm thick 80kg/m <sup>3</sup> stone wool	interrupted	-/90/60
	min 500x30-80mm thick 80kg/m <sup>3</sup> stone wool	continuous	-/90/60		
Rigid floor with thickness $\geq$ 150mm	Blank seals with $\varnothing$ 15mm and putty cord at 15mm depth	Bottom face	None required		-/120/30
		Both sides			-/120/120
	Single cables $\leq$ $\varnothing$ 21mm tied in bundles $\leq$ $\varnothing$ 50mm	Top face			-/120/30
	Single cables $\leq$ $\varnothing$ 21mm tied in bundles $\leq$ $\varnothing$ 75mm	Bottom face			-/60/30
	Single cables $\leq$ $\varnothing$ 21mm	Top face			-/120/120
		Bottom face			-/120/60
	Single cables $\varnothing$ 22- $\varnothing$ 50mm	Top face			-/120/90
	Single cables $\varnothing$ 22- $\varnothing$ 80mm	Bottom face			-/90/30
	Single cables $\varnothing$ 51- $\varnothing$ 80mm	Top face			-/120/60
	Copper pipe $\varnothing$ 6mm, closed system	Top face			-/120/120
	Copper pipe $\varnothing$ 7- $\varnothing$ 10mm	Bottom face			-/120/90
	Copper pipe $\varnothing$ 7- $\varnothing$ 12mm, closed system	Top face			-/120/90
		Bottom face			-/120/30
	Mild/stainless steel pipe $\varnothing$ 4mm	Bottom face			-/120/120
	Mild/stainless steel pipe $\varnothing$ 5- $\varnothing$ 30mm	Bottom face			-/120/30
	Mild/stainless steel $\leq$ $\varnothing$ 22mm / 1.2-11mm wall thickness	Top face			-/120/120
	Mild/stainless steel pipe $\leq$ $\varnothing$ 40mm	Top face	min 500x20mm thick 80kg/m <sup>3</sup> stone wool	interrupted	-/240/240
			min 500x20mm thick 80kg/m <sup>3</sup> stone wool	continuous	-/240/240
	Mild/stainless steel pipe $\varnothing$ 41 - $\varnothing$ 324mm	Top face	min 500x20mm thick 80kg/m <sup>3</sup> stone wool	interrupted	-/240/60
			min 500x30mm thick 80kg/m <sup>3</sup> stone wool	continuous	-/240/240
	Copper pipe $\leq$ $\varnothing$ 54mm / 1.2 - 14.2mm wall thickness	Top face	min 500x20mm thick 80kg/m <sup>3</sup> stone wool	interrupted	-/240/60
min 500x30-80mm thick 80kg/m <sup>3</sup> stone wool			continuous	-/240/240	