

ZZ[®] 391 Fire Protection Puttymat**Technical data sheet**

Trade name:	ZZ[®] 391 Fire Protection Puttymat
Description:	Non-shrinking, solvent-free, plastic, intumescent butyl rubber, with halogen-free flame retardants.
Implementation areas:	Permanently elastic, self-adhesive sealing compound/kneading compound made of intumescent butyl rubber for fire protection up-grading of installations and surfaces.
Product group:	IN16 – Interior seals EX12 – Exterior seals
Certificates:	<ul style="list-style-type: none">• Classification report no. 21/0546, Currenta
Requirement set:	R22, R23 according to EN 45545-2
Hazard level:	HL1, HL2, HL3
Colour:	Red-brown
Content / dimensions:	Self-adhesive butyl rubber, 5 x 150 x 150 [mm]
Transport / storage:	Store dry and protected from dust
Storage temperature:	5 °C bis 30 °C
Application temperature:	5 °C bis 30 °C, recommended: 20 °C bis 25 °C
Bulk density (material has fully reacted):	$\rho = 1215 \text{ kg/m}^3 \text{ bis } 1485 \text{ kg/m}^3$
Safety notices:	Please observe the safety data sheet.

ZZ[®] 391 Fire Protection Putty Mat**Behaviour in the event of fire**

Smoke generation according to EN ISO 5659-2: $D_s \text{ max (-)} = 22$

Burning behaviour (Oxygen index) according to ISO 4589-2: $OI \geq 32 \%$

Conventional index of toxicity according to NF X 70-100-1 /-2: $CIT_G = 0,15$

Contact with metals and plastics

The surface properties of aluminum, stainless steel, galvanized steel and plastics made of polyethylene and polyvinyl chloride are not negatively affected by contact with "ZZ 391 Fire Protection Putty Mat".

All the information in this leaflet is based on current technical knowledge and experience. Details on processing and application must be checked on a project-by-project basis due to the variety of possible influences.

If the application for which our products are used is subject to a government agency approval obligation, then the user is responsible for obtaining this approval. We would be pleased to respond to any enquires you might have.

The information in this document and declarations of Karl Zimmermann GmbH in conjunction with this document do not constitute any assumption of a guarantee. Guarantee declarations require the separate, express written declaration of Karl Zimmermann GmbH.

The conditions specified in this data sheet represent the characteristics of the delivery object, they do not represent any specific values. Specific values must be separately determined on a case-by-case basis.

We reserve the right to adapt the product to technical progress and to new developments.

In all other aspects we refer to our general terms and conditions.