

ZZ[®] 395 Fire Protection Casting Compound**Technical data sheet**

Trade name:	ZZ[®] 395 Fire Protection Casting Compound
Description:	2-component intumescent fire protection casting compound from the cartridge, with halogen-free fire protection additives.
Implementation areas:	Waterproof fire protection casting compound as a system component for fire protection penetration seals up to EI 30
Product group:	IN16 – Interior seals EX12 – Exterior seals
Certificates:	<ul style="list-style-type: none">• Classification report no. 21/1225, Currenta
Requirement set:	R22, R23 according to EN 45545-2
Hazard level:	R22: HL1 – HL3 R23: HL1 – HL3
Colour:	Red
Content:	450 ml
Transport / storage:	Dry and only in the original packaging
Storage temperature:	5 °C to 30 °C
Storage stability:	6 months at 23 °C/ 50 % rel. humidity, See imprint on cartridge for expiry date
Application temperature:	20 °C to 30 °C, recommended: 23 °C to 25 °C
Work interruption:*	Approx. 60 seconds (at 20 °C material and ambient temperature)
Bonding time:*	Approx. 160 seconds (at 20 °C material and ambient temperature)
Reaction temperature* (heat generation during foam reaction):	≤ 35 °C
Bulk density (material has fully reacted):	$\rho \sim 1200 \text{ kg/m}^3$
Safety notices:	Please observe the safety data sheet.

* Changes depending on the material temperature and ambient temperature.

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**All of the following information refers to the fully reacted
"Fire Protection Casting Compound ZZ 380-p"**

Behaviour in the event of fire

Smoke generation according to EN ISO 5659-2: $D_s \text{ max (-)} = 124$, Test Report No. 21/1224, Currenta

Burning behaviour (Oxygen index) according to ISO 4589-2: $OI \geq 32 \%$, Test Report No. 21/1196, Currenta

Conventional index of toxicity according to NF X 70-100-1 /-2: $CIT_{NLP} = 0,06$, Test Report No. 21/1224, Currenta

Physical construction material / product characteristics

The following specifications do not represent guaranteed product characteristics. They must, therefore, be regarded exclusively as information intended to serve as guideline values.

The pressure tightness when used in cable penetration seals was determined on the basis of *DNV GL Class Programme Type Approval DNVGL-CP-0165* from February 2017 "Cable and pipe penetrations" tested.

Partition: steel tube with 130 mm inner diameter, 100 mm length
Assignment: 3 cables (diameter 19 mm)
Filling depth: ≥ 60 mm

Impermeability: Watertight 1,7 bar (with Sika Primer 207)
Watertight 0,3 bar (without Sika Primer 207)

Pressure tightness: Pressure-tight 1,7 bar (with Sika Primer 207)
Pressure-tight 0,8 bar (without Sika Primer 207)

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.