

Fire Protection Collar ZZ 430

Technical data sheet

Trade name:	Fire Protection Collar ZZ 430 ZZ-Collar NE
Description:	Collar consisting of a sheet steel case and a fire protection element based on polyurethane with halogen-free intumescent fire retardants.
Implementation areas:	Pipe penetration seal EI90/EI120 for rigid walls, rigid floors and flexible walls. Fire protection of thermoplastic pipes up to an outer diameter of 160 mm.
Approvals / certificates:	<ul style="list-style-type: none">• European Technical Approval ETA-13/0117, OIB• EC Certificate of Conformity 0761-CPD-0301
Colour:	Brown
Scope of delivery:	Fire Protection Collar ZZ 430, sound insulation, identification sign, installation instruction manual
Pipe outside diameter:	32, 40, 50 - 110, 125 - 160 [mm]
Transport / storage:	Store dry and protected from dust
Storage temperature:	5 °C to 30 °C
Application temperature:	5 °C to 30 °C, recommended: 20 °C to 25 °C
Bulk density of the fire protection element:	$\rho \geq 900 \text{ kg/m}^3$
Safety notices:	Please observe the safety data sheet.

Behaviour in the event of fire

Reaction to fire:	DIN 4102-B2
Classification of the fire protection behaviour in accordance with DIN EN 13501-1:	Class E
Expansion pressure:	0.8 N/mm ² to 1.8 N/mm ²

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Foaming factor: 6.5x to 18.5x
Tested on samples at 450°C for more than 25 minutes with super-imposed load. The foaming factor is a laboratory characteristic value. The foaming behaviour in installed status depends on the existing boundary conditions.

Testing the fire protection properties under environmental influences

Tests were performed in accordance with the approval principles for materials that form an insulating layer, dated 11/24/2006 of the DIBt, and EOTA Guideline for European Technical Approval, ETAG no. 026-2, dated 01/01/2008.

Thermal stress:

Continuous contact or ambient temperature: $\leq 80\text{ }^{\circ}\text{C}$

Permissible ambient conditions:

In accordance with ETAG 026-2: Use category Z₁
Fire-retardant sealing products for use in indoor areas with all moisture levels at temperatures $\geq 0^{\circ}\text{C}$.

Occasional, brief spray water stress does not pose a problem. Overall, continuous wet conditions as well as standing water and pressing water must be avoided.

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 ZAPP-ZIMMERMANN GmbH in conjunction with this document do not constitute any assumption of a guarantee. Guarantee declarations require the separate, express written declaration of ZAPP-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.