



Fire protection systems

Light – Fast – Safe

Mixed penetration seal TIROTECH®

according to ETA-17/0586

Maximum safety through simple processing



TIROTECH® - Fire protective mortar



RORCOL Pipe collars



FIRE PROOF Pipe section



3

TIROTECH® - Fire protective mortar

according to ETA-17/0586



CE 1139
GÖDINGER Bau- und Leichtbeton GmbH Salzburgerstraße 40 6112 Wattens, AUSTRIA
17
1139-CPR-0668/17
ETA-17/0586
EAD 350454-00-1104
DOP 2023/TIROTECH
Rohr-, Kabel- und/oder Kombischottung "TIROTECH" Nutzungskategorie Y _f
Weitere relevante Eigenschaften siehe ETA-17/0586

TIROTECH®
Installation video



Advantages

- Low weight with high volume – 10 kg/30 liter bag
- Simple and safe processing
- High yield – 30 liters wet mortar/bag
- Use condition X

With its low weight of just **10 kg per 30 liter bag** and **high yield**, **TIROTECH® fire protective mortar** is the indispensable choice for **efficient installation** on the construction site. Whether in flexible walls, rigid walls, rigid floors or cross-laminated timber constructions - the lightweight mortar impresses with its **simple and time-saving application**, without the need for complex formwork.

Article number		
Art.-No.	Matchcode	Contents
9900950	BSM/S30	30 litres

„Because
fire seals simply must
be safe!“

Properties

TIROTECH® - Fire protective mortar			
	Flexible walls Thickness ≥ 100 mm	Rigid walls & Cross laminated timber walls Thickness ≥ 100 mm	Rigid floors & Cross laminated timber floors Thickness ≥ 140 mm
Maximum bulkhead size	1000x600 mm	1200x1000 mm	1200x800 mm bzw. 820x8200 mm
Minimum mortar thickness	100 mm		140 mm
Dry bulk density	450 kg/m³		
Utilization category	X		
Thermal conductivity	0,12 W/mK		
Delivery form	30 liter bag – Weight 10 kg		
Water requirement	approx. 5 liters/bag		
Mixing time	approx. 1 minute		
Processing temperature	min. 8 °C		
Paintable	Yes		
Storage	Store in a dry place. Protect from moisture. Shelf life approx. 6 months		

Not all wood is the same!

Each manufacturer of cross laminated timber has its own European Technical Assessment (ETA) for its timber structures. According to EN 1366-3:2022 point 7.2.1, these belong to the so-called specific load-bearing structures.

Single and mixed penetration seals must therefore be tested and approved with the cross laminated timber construction of the respective manufacturer in the system and listed in the penetration seal manufacturer's declaration of performance. This declaration of performance and installation instructions must be made available to the installer according to the EU Construction Products Regulation (Regulation (EU) No. 305/2011).

Approved cross laminated timber constructions

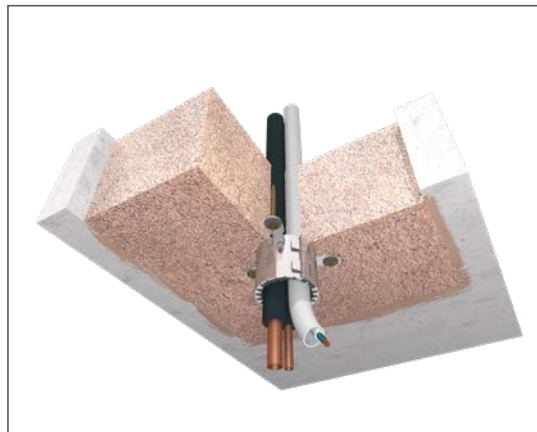
- **KLH Massivholz GmbH** – KLH Kreuzlagenholz (KLH® - CLT) according to ETA-06/0138
- **Mayr-Melnhof Holz Holding AG** – MM crosslam according to ETA-09/0036
- **MMK Holz-Beton-Fertigteile GmbH** – XC® living
- **Stora Enso Wood Products GmbH** – CLT Cross Laminated Timber according to ETA-14/0349
- **HASSLACHER Holding GmbH** – HASSLACHER CROSS LAMINATED TIMBER according to ETA-12/0281
- **Brüder Theurl GmbH** – CLTPLUS according to ETA-20/0843
- **Binderholz Group** – CLT BBS according to ETA-06/0009*
- **Thoma Holz** – Holz100 according to ETA-13/0785*

*Currently not included in ETA-17/0586. Required for use in Austria according to the building materials list.
Test reports available or in preparation by MA39 - Testing, Inspection and Certification Body of the City of Vienna.

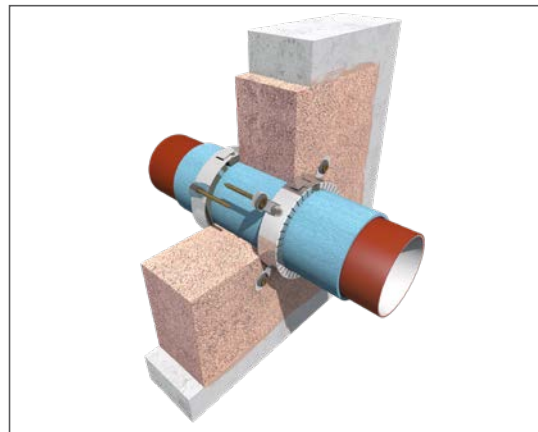


Application examples

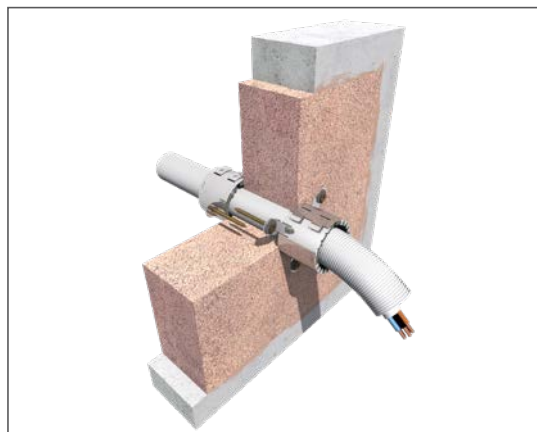
Rigid walls & rigid floors



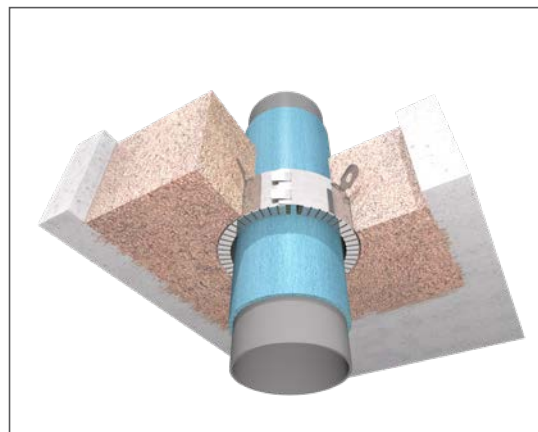
Air condition pipes sealed off with RORCOL AV60



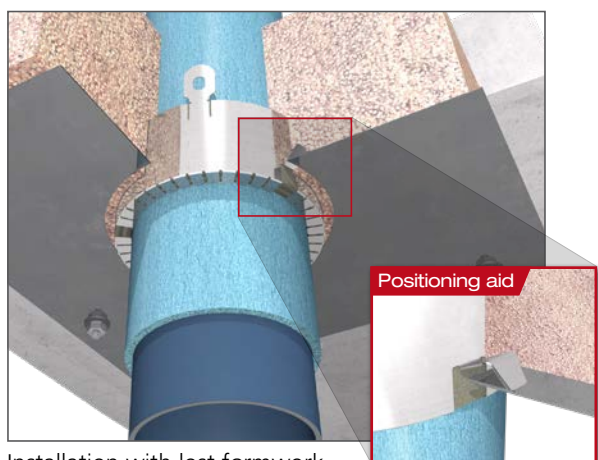
Sewage pipes sealed off with RORCOL V30



Conduits and cables sealed off with RORCOL AV60



Flush-mounted installation of RORCOL V60

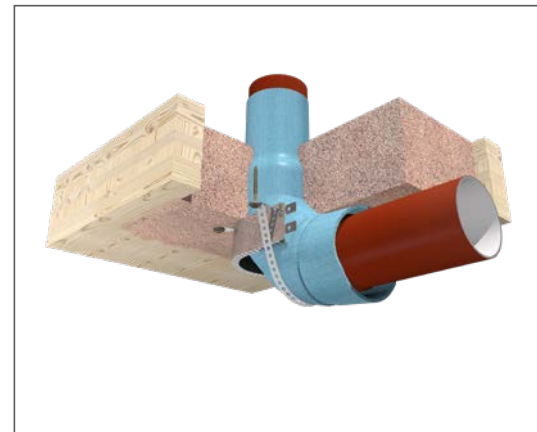


Installation with lost formwork using RORCOL V60

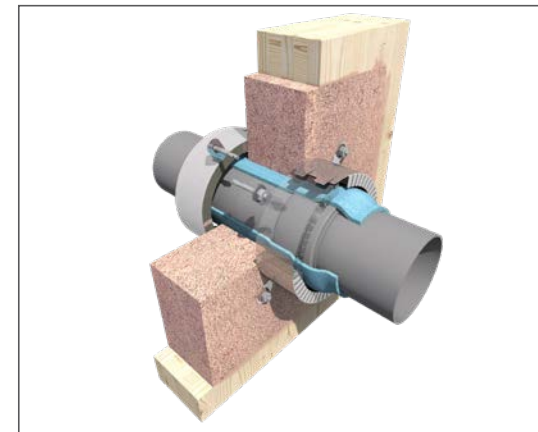


Air ducts sealed off with PRODEC fire damper air vents

Cross laminated timber walls & cross laminated timber floors



Pipe bends sealed off with RORCOL V60 used as U-application



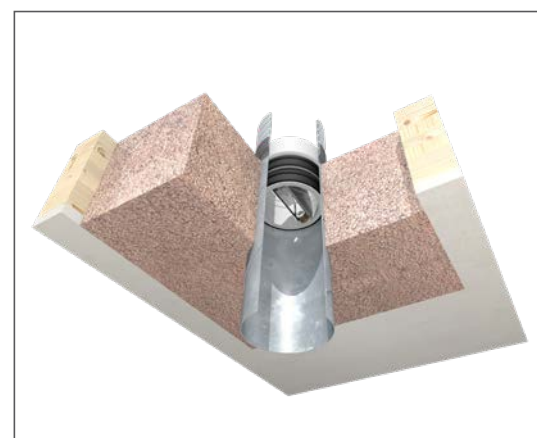
Plug-in sleeves sealed off with RORCOL V60



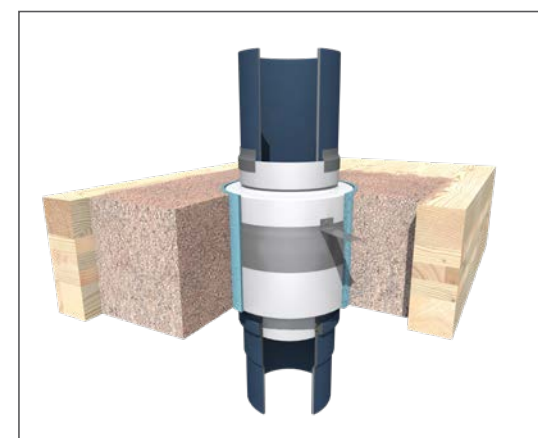
Electrical installation pipes and cables sealed off with RORCOL AV60



Metal pipes sealed off with FIRE PROOF



Air ducts sealed off with INLAP fire dampers or FSAeco fire damper air vents



Plastic air ducts sealed off with PRODEC fire damper
air vents



Fire protection systems

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Fire protections knows
no compromises



Penetration seals for pipes and cables
AIR FIRE TECH System RORCOL



INLAP and INLAP-ST fire dampers



Fire protection in timber construction
Sanitary – Heating – Ventilation – Electrical



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