

Installation Guide

Ancon Teplo-R Remedial Wall Tie

This plain-ended basalt fibre wall tie can be resin-fixed in remedial and retrofit applications. This tie has a thermal conductivity of only 0.7W/mK when used without a stainless steel sieve.

Teplo-R Range

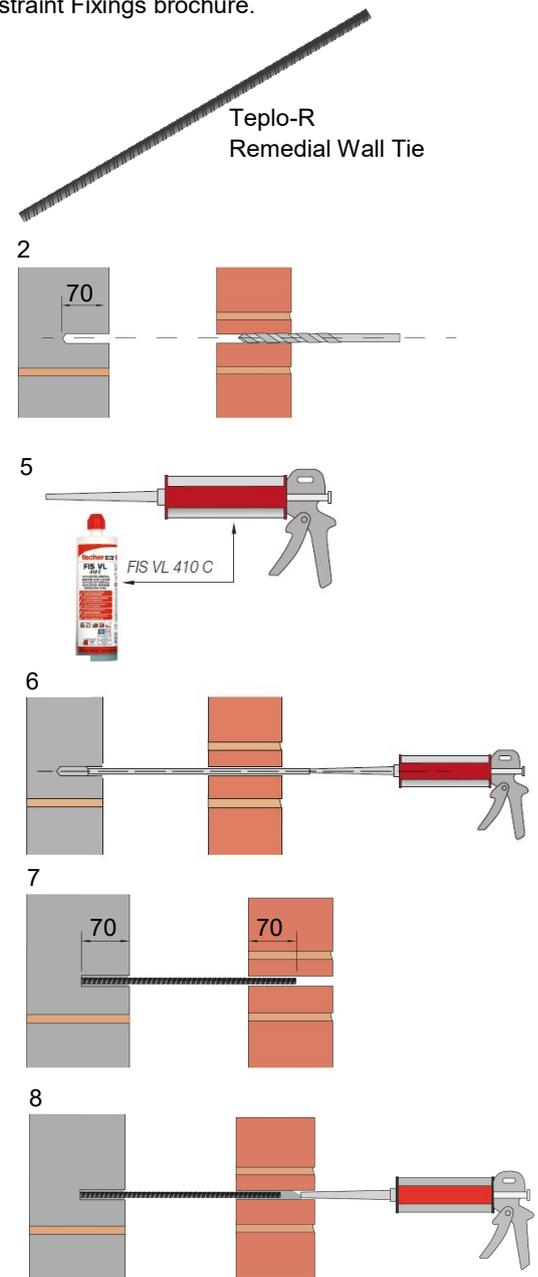
Cavity Widths (mm)	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450
Tie Lengths (mm)	215	240	265	290	315	340	365	390	415	440	465	490	515	540	565	590

Note: For typical load capacity information, please refer to our Wall Ties and Restraint Fixings brochure.

Installation Procedure

- Using a Ø10mm masonry drill bit, drill through the external leaf (with drill angled slightly upward) until you reach the cavity void.
- With the tip of the drill bit touching the inner leaf, set the depth gauge on the drill to 70mm. Drill a hole into the inner leaf to a depth of 70mm (if the inner leaf is blockwork, the hammer action should be turned off).
- Ensure both holes are free from debris using either brush or blow bulb.
- Check the cavity width at regular intervals to ensure the correct tie length is used (see table above for guidance).
- Fit a FIS VL 410 C resin cartridge into a resin gun and fix an extension nozzle to the standard mixing nozzle supplied. Depress the trigger until the resin passes through the mixing nozzle. Continue until the resin comes out an even grey colour and release the pressure.
- Insert the extended nozzle to the back of the prepared hole in the inner leaf. Activate the trigger and completely fill the hole in the inner leaf. Release the pressure on the resin gun to avoid wastage.
- Insert the Teplo-R into the resin ensuring it is pushed all the way to the back of the hole. The recommended embedment is 70mm in each leaf. For reduced embedment depths, site testing can be conducted to ascertain tensile performance.
- Remove the extended nozzle and fill the aperture in the external leaf with the standard nozzle, ensuring the tie is completely surrounded by resin.
- Allow the resin to cure.
- Make good the outer brick using colour matched mortar or mastic (resin manufacturer's technical data should be checked for exact gel time).

Note: A stainless steel sieve may be used to retain resin and is particularly useful in perforated brick or hollow blockwork. A 12mm hole is required to fit the sieve.



The Construction applications and details provided in this guide are indicative only. In every case installation should be entrusted to appropriately qualified and experienced persons. Normal handling precautions should be taken to avoid physical injury. The company cannot be held responsible for any injury as a result of using our products, unless such injury arises as a result of our negligence.

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