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Resource detail
Citations

Hilti CFS-SL / CP 653 / Speed Sleeve / Firestop Sleeve Fire Rated Collars

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Abbreviation
　　Appraisal number 813
Amendment
　　07/04/2020
Valid from
　　09/12/2019

Information provider
　　BRANZ Limited
Information type
　　BRANZ Appraisal
Format
　　PDF

Description

The Hilti CFS-SL are fire rated collars consisting of a corrugated steel tube with an inner plastic housing, intumescent material rings and tightly twisted inner fabric smoke seal. They are for sealing around electrical and communication services that pass through fire rated walls and floors.

Scope

Hilti CFS-SL have been Appraised for use as fire collars for penetrations in fire rated walls and floors for sealing around electrical and communication services.

Hilti CFS-SL are suitable for use through the following fire rated systems with fire resistance ratings (FRR) of up to -/120/120:

- Plasterboard lined walls with at least 26 mm lining thickness on each side, with light gauge steel or timber framing with a minimum overall wall thickness of 100mm. Where the CFS-SL S/M is used the minimum wall thickness is 100mm and maximum wall thickness is 200mm. Where the CFS-SL L sleeve is used the minimum wall thickness is 200mm and maximum wall thickness is 300mm; and,
- Concrete or concrete masonry walls with a minimum density of 550 kg/m3, where the CFS-SL S/M is used the minimum wall thickness is 100mm and maximum wall thickness is 200mm. Where the CFS-SL L sleeve is used the minimum wall thickness is 200mm and maximum wall thickness is 300mm; and
- Concrete floors with a minimum density of 550 kg/m3, where the CFS-SL S/M is used the minimum thickness of 150 mm and a maximum thickness of 200 mm. Where the CFS-SL L sleeve is used the minimum wall thickness is 200mm and maximum wall thickness is 300mm

Hilti CFS-SL must be used in closed, internal spaces, protected from excessive moisture, solvents, oxidizing agents, acides and alkalis. They should not be exposed to ultra violet (UV) light in service.

For assistance with locating previous versions, please contact the information provider.

Notes/comments

This Appraisal replaces BRANZ Appraisal No. 813 (2013).

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