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EWFA CERTIFICATE OF ASSESSMENT	CERTIFICATE No : SFC 35233800	Page 1 of 2
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Report Sponsor	Certificate Issue Date	Product Name
Hilti (Aust.) Pty Ltd 1G Homebush Bay Drive, Rhodes, NSW 2138 Australia	14/04/2015	Hilti CP 680 160/6" N firestop collars

Referenced Assessment Report	Test Method	Report Issue Date	Report Validity Date
EWFA 35233800	AS1530.4-2005	10/04/2015	30/04/2020

Introduction

The element of construction described below was assessed by this laboratory on behalf of the report sponsor in accordance with the stated test standard and achieved the results stated below. Refer to the referenced assessment report(s) or Regulatory Information Report(s) for a complete description of the assessed construction.

Description of Assessed Product and Performance

The scope of the assessment includes the fire resistance performance of a 150mm thick concrete floor penetrated by plastic pipes protected by Hilti CP 680 160/6" N firestop collars if tested in accordance with AS1530.4-2005 and assessed in accordance with AS 4072.1-2005.

Refer to the referenced assessment reports for a complete description of the assessed construction.

- Conditions/Validity**
- THIS CERTIFICATE IS PROVIDED FOR GENERAL INFORMATION ONLY AND DOES NOT COMPLY WITH THE REGULATORY REQUIREMENTS FOR EVIDENCE OF COMPLIANCE.
 - Reference should be made to the relevant test report or regulatory information report to determine the applicability of the test result to a proposed installation. Full details of the constructions and justification for the conclusions given, along with the validity statements, are given in the assessment reports.
 - The results of these fire tests may be used to assess fire hazard, but it should be recognized that a single test method will not provide a full assessment of fire hazard under all conditions.

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Description of Assessed Product and Performance (cont'd)

Performance of stack pipes in floors

Pipe Type & Material	Nominal Pipe Diameter	Nominal Pipe Wall Thickness	Local Fire Stopping System	Refer Figure	FRL
uPVC* pipe	150mm	4.5mm	Hilti CP 680 160/6" N	Fig. 1	-/240/240
uPVC* pipe with Flange of elbow fitted into collar, DWV Bend x 88°	150mm	4.5mm		Fig. 2	-/240/240
PE pipe	160mm	14.6mm-16.2mm		Fig. 1	-/240/240

* This result does not apply to sandwich core uPVC pipe

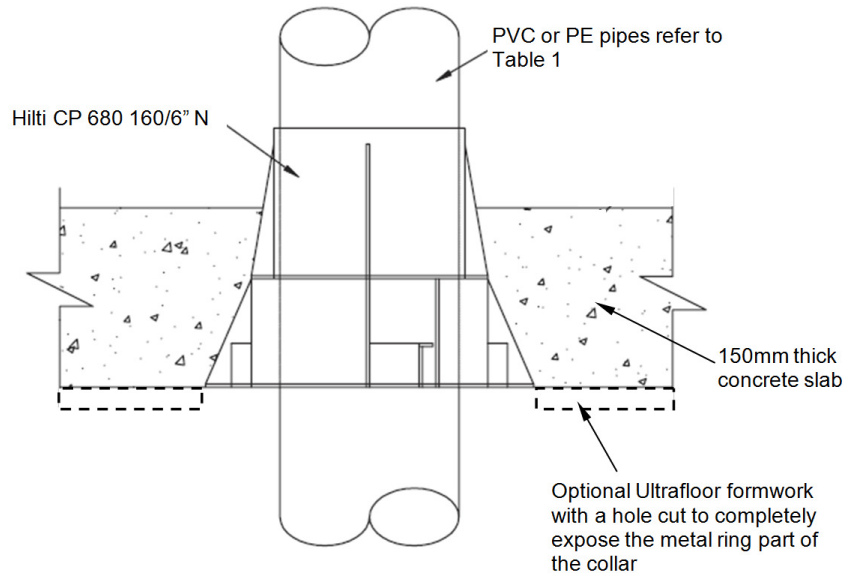


Figure 1 – Stack pipes protected with Hilti CP 160/6” N with or without Ultrafloor

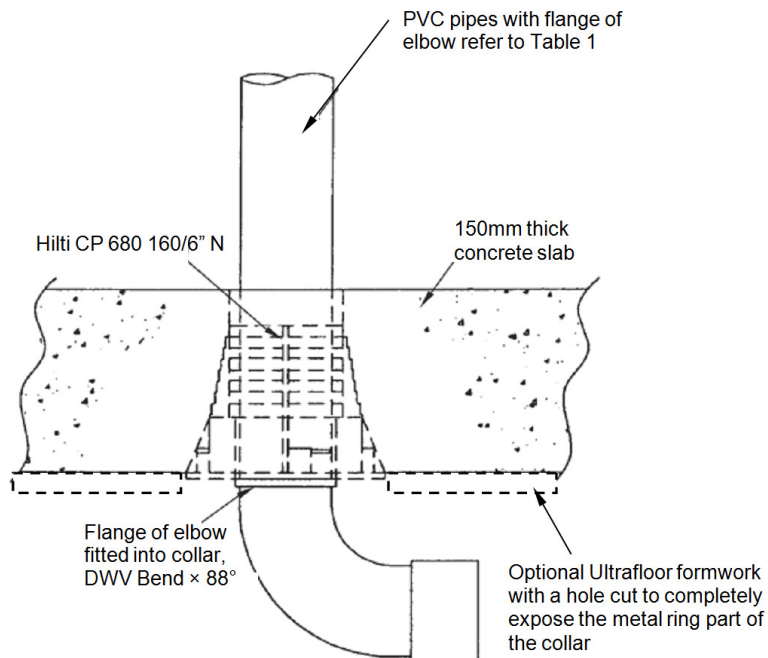


Figure 2 – uPVC pipes flange of elbow fitted into firestop collar protected with Hilti CP 680 160/6” N with or without Ultrafloor

Refer to the referenced assessment reports for a complete description of the assessed construction.