

Testing. Advising. Assuring.

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| EWFA CERTIFICATE OF ASSESSMENT | CERTIFICATE No : SFC 32796900 | Page 1 of 3 |
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| Report Sponsor | Certificate Issue Date | Product Name |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------|
| Hilti (Aust.) Pty Ltd 1G Homebush Bay Drive, Rhodes, NSW 2138 Australia AND Hilti (New Zealand) Ltd P.O. Box 112030 Penrose, Auckland 1642, New Zealand | 21/09/2015 | Hilti Firestop Intumescent Sealant CP 611A |

| Referenced Assessment Report | Test Method | Report Issue Date | Report Validity Date |
|------------------------------|---------------|-------------------|----------------------|
| EWFA 32796900 | AS1530.4-2005 | 21/09/2015 | 30/09/2020 |

| 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 Hilti Firestop Intumescent Sealant CP 611A protecting single cable penetrations in apertures less or equal to Ø40mm in wall constructions if tested in accordance with AS1530.4-2005 and assessed in accordance with AS4072.1-2005. The performance of single cable penetrations are summarised in Table 2 to 4. |

| Conditions/Validity |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> 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. |

| TESTING AUTHORITY | Exova Warringtonfire Aus Pty Ltd |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Address | Suite 2002a, Level 20, 44 Market Street, Sydney NSW 2000, Australia |
| Phone / Fax | +61 (0)2 8270 7600 / +61 (0)2 9299 6076 |
| ABN | 81 050 241 524 |
| Email / Home Page | www.exova.com |
| Authorisation | <div>Prepared By:  S. Hu</div> <div>Reviewed By:  K. Nicholls</div> |

Description of Assessed Product and Performance (cont'd)

Table 1 – Aperture Sizes for Sealant CP 611A without Backfilling Material

| PVC Insulated Copper Conducted Cable Outside Diameter Ø (mm) | Min. Aperture Diameter Ø (mm) | Max. Aperture Diameter Ø (mm) |
|--------------------------------------------------------------|-------------------------------|-------------------------------|
| 4 | 6 | 40 |
| 8 | 12 | 40 |
| 10 | 15 | 40 |
| 12 | 18 | 40 |
| 16 | 24 | 40 |
| 20 | 30 | 40 |
| 25 | 38 | 40 |

Table 2 – Single Cable in Rigid Walls with Wall Thickness ≥ 75 mm

| Cable Outside Diameter (OD) Ø | Sealant in Annular Gap | Min. Sealant Depth | Min. Depth of Additional Protection | Aperture Size | FRL |
|-------------------------------|--------------------------------------------|----------------------------------------------------|-------------------------------------|---------------|---------|
| 4 | Hilti Firestop Intumescent Sealant CP 611A | 75mm (or full depth of the wall for thicker walls) | - | Table 1 | -/60/60 |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 16 | | | | | |
| 20 | | | | | |
| 25 | | | | | |

Table 3 – Single Cable in Rigid Walls with Additional Protection, Wall Thickness ≥ 75 mm

| Cable Outside Diameter (OD) Ø | Sealant in Annular Gap | Min. Sealant Depth | Min. Depth of Additional Protection | Aperture Size | FRL |
|-------------------------------|--------------------------------------------|--------------------|-------------------------------------|---------------|---------|
| 4 | Hilti Firestop Intumescent Sealant CP 611A | 25mm | 50mm | Table 1 | -/90/90 |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 16 | | | | | |
| 20 | | | | | |
| 25 | | | | | |

Table 3 – Single Cable in 2hr Flexible Walls with Wall Thickness ≥ 100 mm

| Cable Outside Diameter (OD) Ø | Sealant in Annular Gap | Min. Sealant Depth | Lining Thickness | Min. Depth of Additional Protection | Aperture Size | FRL |
|-------------------------------|--------------------------------------------|--------------------|----------------------|-------------------------------------|---------------|-----------|
| 4 | Hilti Firestop Intumescent Sealant CP 611A | 25mm | 2 x 13mm or 2 x 16mm | 50mm | Table 1 | -/120/120 |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 16 | | | | | | |
| 20 | | | | | | |
| 25 | | | | | | |

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

Table 5.4 – Single Cable in Rigid Walls with Wall Thickness $\geq 100\text{mm}$

| Cable Outside Diameter (OD) Ø | Sealant in Annular Gap | Min. Sealant Depth | Min. Depth of Additional Protection | Aperture Size | FRL |
|-------------------------------|--------------------------------------------|--------------------|-------------------------------------|---------------|-----------|
| 4 | Hilti Firestop Intumescent Sealant CP 611A | 25mm | 50mm | Table 1 | -/120/120 |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 16 | | | | | |
| 20 | | | | | |
| 25 | | | | | |

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