|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Penetration** | | | | |
|  | **1** | **2** | **3** | **4** |
| **Required fire ratings** |  |  |  |  |
| Do you require Integrity (E) or Integrity and Insulation (EI)?  *E – resistance to fire*  *EI – resistance to fire and heat* | E  EI | E  EI | E  EI | E  EI |
| Duration of fire resistance required  (minutes) | 30  60  90  120 | 30  60  90  120 | 30  60  90  120 | 30  60  90  120 |
| **Penetration details** |  |  |  |  |
| Pipe material |  |  |  |  |
| External Ø of pipe(mm) |  |  |  |  |
| Penetrating element | Wall  Floor | Wall  Floor | Wall  Floor | Wall  Floor |
| Composition of wall/floor | Concrete  Bricks  Gypsum  Plasterboard  Other | Concrete  Bricks  Gypsum  Plasterboard  Other | Concrete  Bricks  Gypsum  Plasterboard  Other | Concrete  Bricks  Gypsum  Plasterboard  Other |
| **Additional information *– please provide any extra information that may be relevant (i.e. special type of pipe, pipe at an angle, thin wall construction, insulation on pipes, multi-service opening etc)*** | | | | | |
|  | | | | | |

Submit this form to [technical.uk@walraven.com](mailto:technical.uk@walraven.com)