|  |  |
| --- | --- |
|  | **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