Installation Instructions

Important:

The following instructions refer to mounting the BSD-C fire damper in concrete walls, floors and ceilings and refer only to the damper. Consult normal industry sources for details regarding concrete.

The Australian & NZ Building Codes require fire dampers to comply with AS 1682 Part 1 & 2, and AS1530.4 as the Acceptable solution. The BSD Series 2 complies with the Australian & NZ Building Codes as an Acceptable solution. Verification as follows: **WarringtonFire test report FRT200201 and WarringtonFire assessment report FAS200328, results confirm the concrete mounting system for the BSD-C Series 2 will provide an FRL of -/120/- according to AS1530.4-2014.**

Damper Installation:
1. Firstly, determine the exact damper location on the wall.
2. Make the hole small enough so that the flange of the damper covers the hole but large enough for the damper to fully penetrate the hole. The damper flange must be flush with the wall surface.
3. If the damper body does not extend beyond the other side of the wall, a small section of ductwork will be required. Note comments below regarding ductwork connection.
4. Apply a 10mm diameter bead of Promat Promaseal-A acrylic sealant to the damper body at the base of the flange. Insert the damper into the hole and secure it with Hilti HUS-HR 6 x 55 mm stainless steel fasteners, ensuring the damper is located with a concentric clearance space all around. On the other side of the wall, fill the gap between the damper body and wall with a continuous bead of Promat Promaseal-A acrylic sealant, up to a maximum depth of 10mm.

Ductwork Installation
- It is very important to prevent damage to a fire damper from deforming or collapsing ductwork. **Ductwork must be secured against seismic movement** to prevent any impact from swaying ducts distorting the fire damper.
- AS1682.2-2015 requires a **breakaway joint** for ducts connecting to a fire damper. Therefore, do not rivet, screw or glue ducts to fire dampers.

Duct Access Panels
Access panels are not required as the damper blade handle and the release mechanism can be serviced from outside the damper.

Damper Operation & Thermal Fuse
The function of the damper must always be checked before and after installation. After installation, clean the damper of all possible construction waste. The fire damper is set by turning the blade to the desired position with the aid of the indicator handle. Lock in position by screwing in the thermal fuse until the blade is just held in position. **Do not use tools on the fuse, finger pressure is adequate.**
The fuse can be reset after a release. The fuse can also be replaced if it will not hold the damper open. The fuse can be replaced by simply unscrewing. The standard release temperature for fuses is 74°C. Different release temperature fuses are also available to order: 50°C, 100°C, and special temperatures on request.

Balancing Damper
The BSD range of fire dampers are approved for use as a balancing damper.