

# APPLICATION DATA SHEET



**ENVIROGRAF®**

AP012-11-2012

Product Number: 12

## CAST-IN-CONCRETE ACOUSTIC/ SMOKE/ FIRE PROTECTION SLEEVE

### DESCRIPTION

A circular metal collar with an intumescent lining, designed for setting into concrete and to allow any type of service (cable, pipe, etc) to be inserted or removed at any time. Removable end-caps are made from acoustic sponge and fireproof card, and can be cut with a sharp knife to accommodate services up to 200mm internal diameter. They can be fitted into bored holes if new services are required after the concrete has been set. Suitable for use in either domestic or industrial applications (such as computer rooms, hospitals, laboratories, etc).

### USE

For use around services in fire-rated floors, the sleeve is fastened to the reinforcing mesh with wire ties and cast into the concrete. The enclosed ends prevent concrete from filling the inner part of the sleeve. After casting and before the concrete is set, the ends are simply wiped clean with a damp cloth. When the concrete is set, the end caps are released by scoring around the rim tape with a sharp knife. End-caps are then cut to fit the service and are placed back into the end of the sleeve. At any time, these end caps can be removed for maintenance, offering excellent versatility. In a fire, the intumescent liner expands to fill the gap around the services and blocks passage of smoke and fire. End-caps stop smoke passing through the floor. Acoustic end caps provide excellent attenuation to airborne sound. Metal end-caps can be supplied for use after setting, allowing people to walk over or pallet trucks to pass over.

### FITTING INSTRUCTIONS

- (1) Secure the Envirograf® cast-in sleeve with loops of wire passed through the fitting lugs and through the steel reinforcement mesh before casting. Immediately after casting the concrete, wipe both end caps with a damp cloth to clear any spilled concrete and allow to set in place;
- (2) Release the end caps by scoring around the rim tape with a sharp knife;
- (3) Remove the end caps;
- (4) Use a sharp knife to cut the end caps to accommodate services and re-install into the cast-in sleeve to complete the job.