FITFIRE® VENT

Italian research and innovation has created
this innovative inflatable ventilation channel

The only inflatable thermosetting aeration channel designed to save energy.

Ideal for the restoration of **ventilation ducts** and air exchange in both private and industrial contexts.

The increasing need for energy savings has led Beca Engineering to develop a system that restores and rehabilitates obsolete ventilation channels and allows the transformation of older ventilation systems for use with new heat recovery systems using the thermal exchange between fresh and stale air and all without the need for any masonry work.

The innovative system allows for the restoration of existing obsolete ducts offering a definitive made-to-measure solution that avoids the substitution of the existing tubes as well as the need for masonry work while providing the certainty of a restored air duct that is as good as new, durable over time, perfectly sealed, certified and guaranteed

· During installation **FITFIRE®VENT** is pefectly moulded to the form of the existing vent like a second skin following the directions and curves of the existing ducted section.

When the restoration is complete you will have a new monolithic duct without joints thus avoiding potential points of leakage.

FITFIRE®VENT

THE FAST AND INTELLIGENT SOLUTION THAT RESOLVES THE PROBLEM OF OBSOLETE VENTILATION CHANNELS..

ADVANTAGES

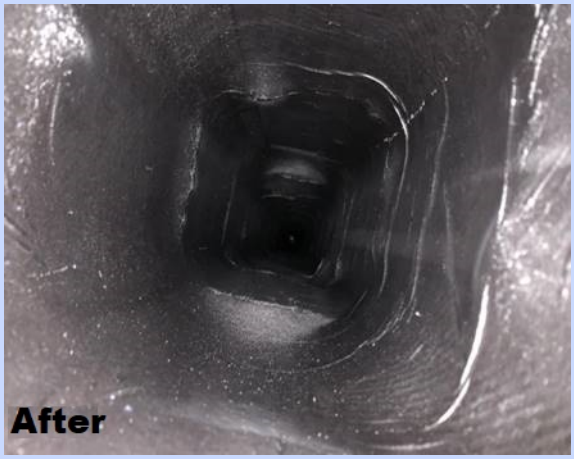
-Reduced installation times: takes about one third of the time for standard fluing systems.
-**Minimal disturbance:** does not usually require any masonry work.
-**Material:** insulating, sound absorbing.
-**Self-supporting material**: does not require anchoring.
-**Conformation**: monolithic duct without joints (no leakage points)

TECHNICAL CHARACTERISTICS

-Product certified CE
-Fire reaction class: B –s1, d0
-Flow resistance: r = 0,00035 m
-Thermal resistance: 0,17 m²K/W
-Tensile strength: 10,5 MPa

INSTALLATION

FITFIRE®VENT moulds itself to whatever the shape of the existing extraction channel creating a new internal surface which restores the mechanical and sound absorbing properties while providing perfect air-tightness.



Once inserted in the existing channel the thermosetting liner is then inflated using a pressured flow of super-heated steam which allows for the complete hardening of the composite material of **FITFIRE®VENT** , guaranteeing , in the shortest of time, the restoration of the existing channel and without having to carry out masonry work-so reducing both the time and the cost of the operation.

FITFIRE®VENT

THE INNOVATIVE SYSTEM FOR THE RESTORATION OF VENTILATION DUCTS WITHOUT THE NEED FOR MASONRY WORK.

Beca Engineering s.r.l.
via Nuova Rivoltana 2/A 20054 Segrate (MI) Tel: +390270300208 info@becaitalia.it www.becaitalia.it