



AC590

ACRYLIC DUCT SEAL

Akfix AC590 is a high-quality, plasto-elastic, solvent free sealant based on acrylic dispersion, specially developed for heating, ventilation and air conditioning (HVAC) applications.

FEATURES & BENEFITS

- Easy to apply and clean
- Non corrosive towards metals
- Can be applied with a brush
- Low odour and solvent free
- Very good adhesion on galvanised and stainless steel
- Remains permanently flexible
- Over-paintable
- Colour-fast and water-proof after curing

APPLICATION AREAS

- Suitable for sealing metal to metal joints to prevent air leaks in air-conditioning, refrigeration, ventilation and air distribution systems.
- All types of HVAC duct systems including sheet metal, duct board and flexible ducts

INSTRUCTIONS

- The joints must be clean and free from dust, grease and rust.
- No primer is required for non-porous surfaces. On porous surfaces such as concrete, stone, cement and plaster a primer (mixture of one part acrylic sealant and 4-5 parts of water) can be applied.
- Min/max joint width must be 5mm/25mm. The recommended joint depth/width ratio is 1 to 2. Application temperature is between +5 °C and +35 °C.
- Immediately after the application, smooth the sealant at once with wet finger or a wet tool.
- Excess sealant can be removed by a wet cloth.
- Keep the sealed joint dry at least for two hours.
- Cured sealant can be removed mechanically.





Consumption (approx.)

Joint Width	5mm	10mm	15 mm	20 mm	25 mm
Joint Depth	3mm	5mm	8 mm	10 mm	12 mm
Efficiency /310 ml	20 meters	6 meters	2,5 meters	1.50 meters	1 meters

STANDARDS

Meets or exceeds the requirements of the following specifications:

- The French VOC requirements for class A+
- CE marked for EN 15651 for façade.
- The requirements of VOC content specifications in LEED credit EQc4.1 "Low-emitting products" of SCAQMD rule 1168.

RESTRICTIONS;

- Should not be applied for sealing joints permanently exposed to water.
- It should not be applied in case of risk of rain or frost.

STORAGE AND SHELF LIFE;

The shelf life is 18 months if stored in unopened-original package in a dry place at temperatures between +5°C and +25°C.

SAFETY & DISPOSAL

Bears no imminent risk to health. Check MSDS guidelines for disposal and further information concerning safety.

PROPERTIES

Basis	: Acrylic Dispersion	
Consistency	: Smooth paste	
pH	: 7,5-9	
Specific gravity	: 1,62 ± 0,03 gr/cm ³	(ASTM D 792)
Skin formation time	: 10-30 min (23 °C and 50% R.H)	(ASTM C 679)
Curing Rate (mm/day)	: 2 mm/day (23 °C and 50% R.H)	
Shore A hardness	: 20-30 Shore A	
Elongation at Break	: > 250%	
Temperature resistance	: -10 °C to +80 °C	
Application Temperature	: +5 °C to +40 °C	



PRODUCT

Product Type	Volume	Package
White/Grey	310ml	12

DISCLAIMER

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