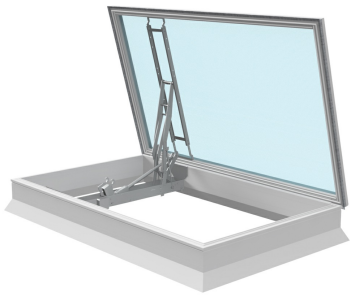


MCR ULTRATHERM SMOKE VENTS WITH ROOF ACCESS FUNCTION

mcr ULTRA THERM smoke vent is an innovative product with the latest technological advances. We have not only achieved the thermal performance exceeding the current requirements (U=0.8 W/m2K) but also eliminated any thermal bridges. Special construction allows easy roof access without a necessity of using separate roof hatch.

Strenghts

FORM - Various types of bases, leaf-fillings and controls to meet specific designer and user requirements.

FUNCTION - Smoke vent, ventilation vent, skylight, roof access hatch.

WARMTH - Excellent thermal performance no thermal bridges. Meets all future Urc heat transfer requirements.

QUALITY - Exceptional durability with innovative PVC profiles. Guaranteed water tightness with multi-level gasket system.

MODULAR DESIGN - Flexible lead times. Easy installation and mounting

AESTHETICS - High quality plastics and aluminium. Product colour range compatible with other building finishes.

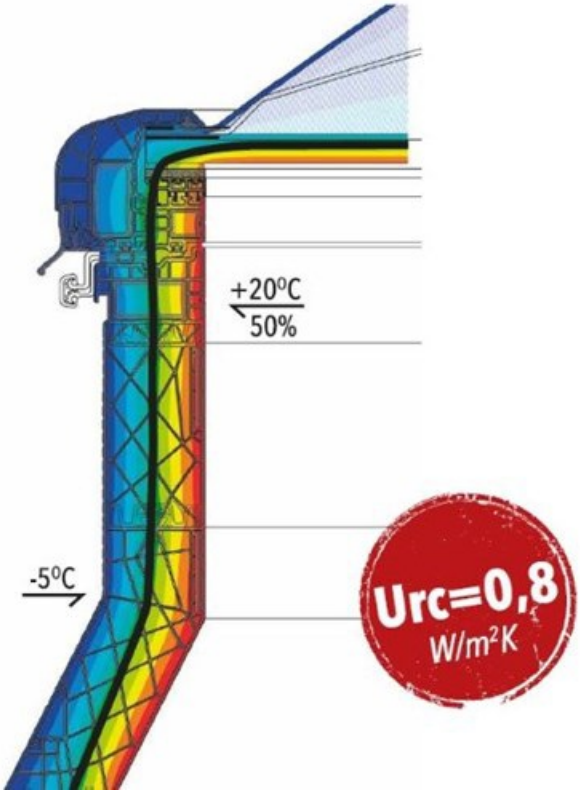
Technical data

Declaration of constancy of performance (1396-CPR-0126) acc. to EN 12101-2
- snow load class: SL 200 ÷ SL 950
- wind load class: WL 750 ÷ WL 1500
- high temperature resistance class: B 300
- reliability: Re300, Re168 and 10 000 cycles to ventilation position (double purpose vent)
- maximum vent opening time to working position: 60 [s]
- vent opening angle: ≥140°

Parameters
- smoke vents type C (square)
nominal size: 1000 x 1000 ÷ 1150 x 1150 [mm]
- smoke vents type E (rectangular)
nominal size: 800 x 1200 ÷ 2000 x 25000 [mm]
- smoke vents type NG-A (square i rectangular)
nominal size: 800 x 1200 ÷2000 x 2500 [mm]

Energy Efficiency

Detailed numerical analysis in accordance with relevant standards have verified uniform isothermal curves in mcr ULTRA THERM profiles. The energy efficiency of the components guarantee products without thermal bridges. Tests verified that the 10°C dew point isotherm is constrained to the interior of the hatch.


+20°C
50%
-5°C
Urc=0,8
W/m²K