
ripple
friulsider
friulsider
FM

PUR

Polyurethane foam

The evolution of Polyurethane Foam

- Polyurethane foam for construction industry is widely used. Single component pressurized containers are available for ease of applications at jobsites.
- The foam classified by its fire resistance class (**as per DIN 4102**)

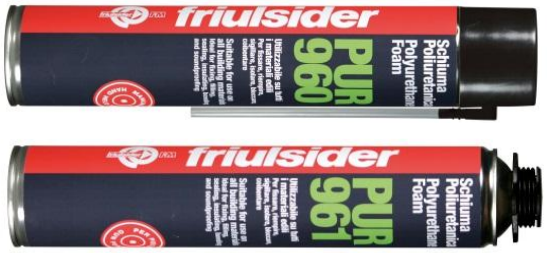
  B1 - On contact with a naked flame, the foam will not burn or catch fire

  B2 - On contact with a flame, the foam will also starts burning, when the source of flame is removed, it self-extinguishes.

  B3 - On contact with a flame, the foam will also starts burning, when the source of flame is removed, it continues to burn.
- Polyurethane foam is specialized in construction and its applications are manifold.
- The tendency is to have a foam for each application or nature of work.

PUR FOAMS

POLYURETHANE FOAMS



PUR 960 & 961
General purpose class B3

PUR 962 WINTER
low temperature –10°C

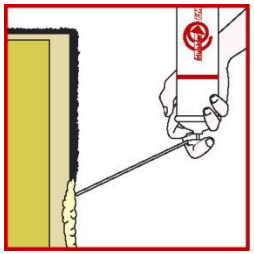
PUR 963
All positions, class B2

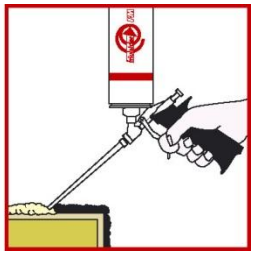
PUR 964
Professional Use class B2

PUR 965 & 966
Roofing tile/reduced expansion class B2

PUR 967
certified REI 180.
class B1 – Fire Retardant
the foam self-extinguishes

PUR 968
Flexible Window/Door frames
class B2 – Fire Retardant





PUR 969
Insulation, class B2

PUR 972
Waterproof, class B3

PUR Cleaner
Solvent for cleaning foam

Flexible Polyurethane Foam for Window / Door Frames

PUR 968

POLYURETHANE FOAM

Characteristics

- Net Contents - 750 ml Yellow Colour cured foam
- Freely yielded foam = aprx. 40 litres volume
- B2 as per DIN 4102
- For use with (Dispenser) Gun
- Acoustic Insulation (EN ISO 771-1) = 60 dB
- Thermal Conductivity (DIN 52612) = 0.036 W/mK
- Elongation at break (DIN 53455) = 35 - 45%
- Water absorption (DIN 53428) = max 1 vol %
- Dimensional Stability = Max -1%

PUR 968

POLYURETHANE FOAM

Characteristics

- No shrinkage
- Max elasticity
- Flexibility grade similar to silicone sealers
- Tack-free time @ 18°C & 60% rh = 5 - 10 mnts
- Curing time aprox. 20 - 25 hours
- Density of cured foam = 15 - 20 Kg/m³
- Temperature resistance = -40°C to +90°C
- Tensile Strength (DIN 53455) = 0.07 to 0.08 Mpa
- Compression Strength(DIN 53421) = 0.04 to 0.05 MPa

Characteristics

Super flexible

- **Retains elasticity even when hardened.**
- **No shrinkage**
- **Max elasticity**
- **Flexibility grade similar to silicone sealers**

Characteristics

High acoustic insulation

60 dB (DIN 717-1)

(certified data)

Characteristics

High thermal insulation

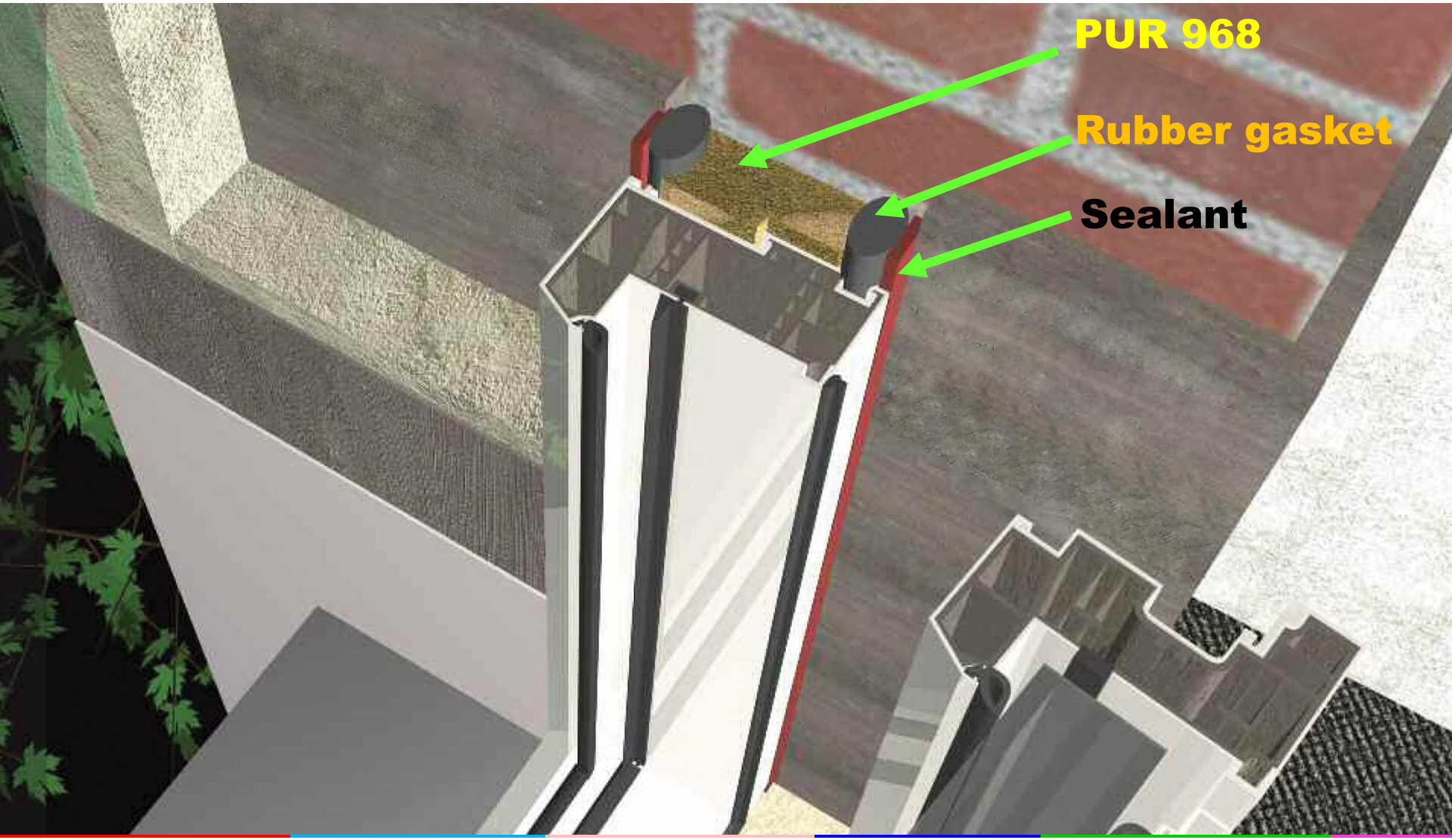
0,036 W/(mK)

Application areas

Window frames with wooden frame

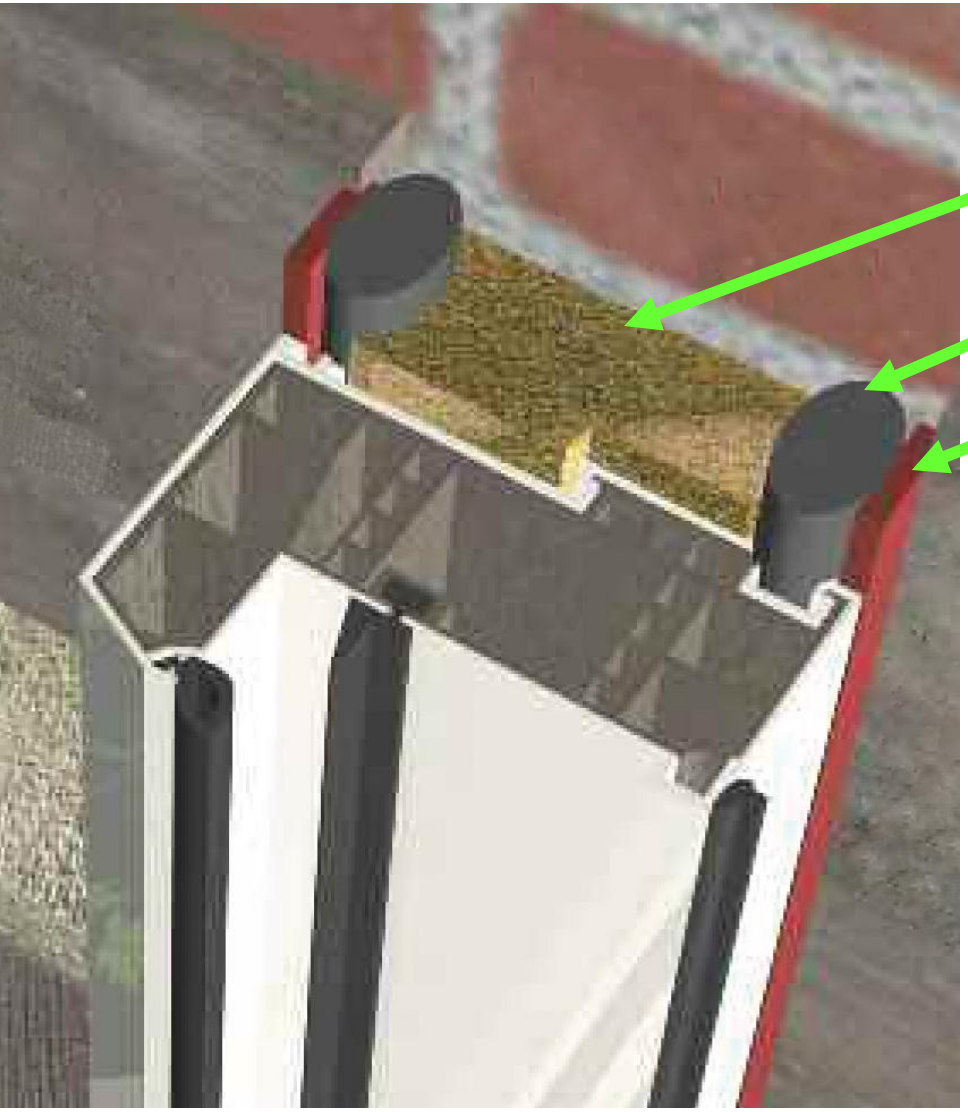
Window frames without wooden frame

How does it work?



PUR 968
POLYURETHANE FOAM

How does it work?



PUR 968

Rubber gasket

Sealant

The elastic gasket is important as it allows the foam and the sealant to work on 2 sides only = max flexibility

PUR 968

POLYURETHANE FOAM

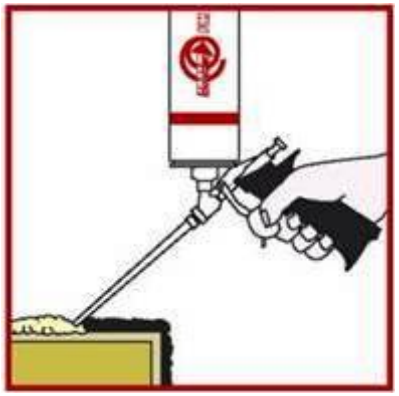
Application areas

PUR 968
POLYURETHANE FOAM

How does it work?

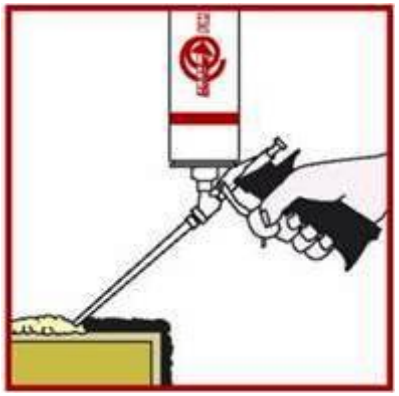
- The Working surface should be free from Grease, Oil & clean
- It is recommended to dampen the substrate or a mist spray of water on the substrate prior to the foam application
- Shake the PUR 968 Can up & down repeatedly several times
- Remove the Cap, there is a pair of disposable gloves to wear
- Screw the Nozzle valve on to the Gun carefully without pressing the foam can otherwise foam will come out
- Use the PUR 968 can upside down while extrusion of Foam
- For substrates where water retaining structures, apply a bead of 3 cms all around the perimeter or into the gap
- Complete work in 5 minutes as the foam becomes tack-free
- For filling – Only partially fill the cavity. After extrusion, the foam will self expand ensuring good filling inside.
- Leave the applied foam to cure for around 24 hours
- Excess cured foam can be cut-off and trimmed

Recommendations



- Cured PUR Foam should be protected against UV light
- Do not apply where Foam is exposed to Sunlight
- Use Organic Solvents such as Acetone, NC Thinner for cleaning the fresh foam from the nozzle, Valve etc
- Once cured, foam can only be removed mechanically
- The ideal working temperature +20°C to + 25°C
- Keep away from sources of ignitions.
- Do not spray on a naked flames or fire
- Do not pierce or burn even after empty the can
- Dispose the cans as per standard norms
- Protect from direct sunlight and do not expose to the temperatures exceeding +50°C
- Store cans upright in dry & cool place under +25°C

Accessories



Professional Dispenser

Metal Dispenser

PUR Foam Cleaner


Thank You!