

# TECHNICAL DATA SHEET

## APEL PF 380 B2 FIRE RATED POLYURETHANE FOAM

Release Date: 08.11.2019  
Revision Date/No: 24.03.2020 /  
Rev.01  
TDS No: TDS 139-EN

### 1. PRODUCT DESCRIPTION

**Trade Name:** Apel PF 380 B2 Fire Rated Polyurethane Foam

**Product Description:** One component self-extinguishable polyurethane prepolymer with fire resistance properties. Fire rated B2 Class certification according to DIN 4102 standarts, meets the requirements of E class according to TSE EN 13501 standarts. PU foam dispenses from aerosol can and cures with moisture.

### 2. TECHNICAL DATA

**Chemical Basis:** Polyurethane

**Color:** Light yellow

**Tack free time:** 6±2 min. (FEICA TM 1014)

**Cutting time:** 45-60 min (FEICA TM 1005)

**Density:** 22±3 kg/m<sup>3</sup> (FEICA TM 1019:2014)

**Shrinkage:** %5 ±2 (FEICA TM 1004)

**Post expansion:** It expands 2 or 3 times more than it's first volume.

**Yield (850 gr):** Maximum 30 lt (ASTM C1536)

**Fire Class:** B2 (DIN4102)

**Application Temperature:** +5°C to +30°C

### 3. APPLICATIONS

Apel PF 380 B2 Fire Rated Polyurethane Foam is a DIN 4102 B2 class certificated, self extuinguishing, moisture-curing aerosol polyurethane foam. It has excellent fire retardanding characteristic which slows down the passage of flames. Apel PF 380 PU Foam has a fire rated property which meets the requirements of the test criteria of DIN 4102 test standart. Product has excellent adhesion and filling properties offering multi-purpose usage possibilities. Proper for fixing door and window frames, filling and insulating cracks or gaps, for general adhering purpose, and insulating surroundings of heater cores, electric wires, hot or cold water pipes.

### 4. INSTRUCTIONS

Apel PF 380 B2 Fire Rated PU Foam should be used with a proper straw.

Moisten the application surface with water to assit the curing process.

The foam can should be at the ambient room temperature (5°C - 30°C). Apply the foam at ambient temperatures.

Shake the can rapidly before useTurn the can upside down and place the straw on the valve and squeeze by turning it.

Pull the straw trigger in order to spray the foam out of the can.

Consider that the foam will expand during curing.

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'Apel Foam Cleaner' should be used for cleaning the foam in unwanted areas.

### 5. PACKAGING

It is presented in 750 ml/850 g

### 6. STORAGE AND SHELF LIFE

12 months after the production date with the 5°C - 30°C and maximum %50 humidity storage conditions.

### 7. WARNINGS/ SAFETY PRECAUTIONS

Use personal protective equipment. Keep away from children. Provide ventilation in the environment.

Use nitrile gloves and protective glasses during handling.

Avoid from open flames and keep away from ignition sources.

Do not spray into a naked flame or any incandescent material.

Protect against electrostatic charges.

Remove the foam contaminated skin with a clean, dry tissue and clean up with a soft solvent and water, respectively.

If in contact with eyes, consult with a doctor.

Aerosols may explode during burning. Organically structured foam will burn where about heat, oxygen and ignition sources.

Isocyanate vapours and other irritating or toxic gases may occur during inflammation. In case of exposure to heat the extremely dangerous combustion products like oxides of carbon and nitrogen may occur.

Do not smoke. Do not burn or drill the can even it is empty.

Consult Material Safety Data Sheet for further information.