



# POLYURETHANE FOAMS



manual foam



gun applied foam



foam specialties

PROFESSIONAL PRODUCTS

## Manual Foams

Soudal is Europe's leading manufacturer of Polyurethane Foams which are filled in the world's largest factory for PU Foams in aerosol cans. Our R&D department has developed a wide range of products offering reliable solutions for many different applications.

When installing door- and window frames the cavities between the frame and the walls (brickwork, concrete, etc) need to be filled. PU Foams offer a quick and easy solution.

Soudal's Polyurethane Foams bond well to most surfaces and do not shrink or post expand when correctly applied. They combine strong mechanical characteristics with excellent thermal and acoustic insulation values.



### ■ Single component and two-component PU Foams

Soudal's single component PU Foams cure through a reaction of the prepolymer with moisture. After full cure (90 minutes for a bead of 30mm diameter) they ensure a strong bond and excellent insulation values. In order to optimize the curing and ensure a good cell structure, it is necessary to moisten the substrates with a water sprayer. Two-component PU Foams cure much faster as the prepolymer reacts with a catalyst which is released when the can is activated. They are therefore especially useful in closed cavities where no moisture is available. Please note that the activated can must be emptied within 5 minutes in order to avoid polymerisation inside the can. Useful hint: protect surrounding areas with PE foil.



SODAFOAM 1K

- **Single component PU Foam**
- **Excellent sealing and insulation characteristics (thermal and acoustic)**
- **Excellent adhesion on a wide range of different surfaces**

This versatile single component adaptor foam in aerosol cans is a practical solution for craftsmen who prefer to work without a PU Foam gun. Like all types of Soudafoam the product combines excellent insulation characteristics with perfect adhesion on a wide range of substrates such as timber, brick, natural stone, concrete, plaster, metals and most plastics.

Available in 500ml and 750ml aerosol cans in boxes of 12 cans.

### GUN & FOAMCLEANER

Soudal Gun & Foam Cleaner removes freshly spilled PU Foam. It can be applied manually or with a foam gun. Check before use if the substrates (plastics, varnish, paint) will not be damaged. Please note that cured PU Foam should only be removed mechanically and never burnt off.







## SOUDAFOAM 2K

- Two- component PU Foam
- Very fast curing;  
can be trimmed after 20 minutes
- Cures in dry surroundings  
where no moisture is available
- High density when fully cured

Soudafoam 2-K cures quickly and forms a very dense and strong PU Foam. Due to its very fast curing, the finishing of window and door frames can be done very quickly. The fact that the product cures without the need of moisture makes it perfectly suited in all closed cavities (installation of bath tubs, etc.).

The product is easy to activate: turn the black ring at the bottom of the cans 5 times to release the catalyst and shake the can thoroughly so that the two components mix well. Use within 5 minutes to avoid curing inside the can.

Available in 400ml aerosol can in boxes of 12 cans.



## SOUDAFOAM X-TRA

- Single component PU Foam
- 75% more yield
- Limited expansion after extrusion
- Can be used in any angle

Soudafoam X-Tra is fitted with a revolutionary new type of formulation and adaptor which allow for increased yield and complete emptying of the can. The product can be used in any position and does not expand further after application. Excellent adhesion on a wide range of substrates such as timber, brick, natural stone, concrete, plaster, metals and most plastics and very good insulation characteristics. Available in 750ml aerosol cans in boxes of 12 cans.



## FILL & FIX FOAM

- Single component PU Foam
- Excellent sealing and insulation characteristics (thermal and acoustical)
- Can be used in any angle

Soudal Fill & Fix can be used in any position. Excellent adhesion on a wide range of substrates such as timber, brick, natural stone, concrete, plaster, metals and most plastics and very good insulation characteristics. Available in 300, 500ml and 750ml aerosol cans in boxes of 12 cans.

## Gun applied PU Foams

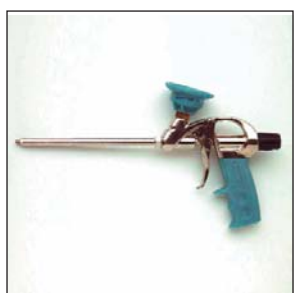
Gun applied Polyurethane Foams are ideal for professional applicators working on large scale projects. Soudal's gun foams allow very precise applications and perfect finishing. There is a choice between our classic threaded applicator head and our unique patented Click&Fix system for the ultimate ease in use.



- **Single component PU Foam**
  - **Unique Click&Fix system for the ultimate ease in use**
  - **Quick, solid and strong applications**
  - **Very easy to clean and maintain**
- The renowned quality of Soudal Polyurethane Foam combined with the unique, patented Click&Fix system. One 90° turn and the can is clicked safely into the adaptor. Much easier to use, faster, less risk of leaks and maximum extrusion of the aerosol can are guaranteed. Available in aerosol cans of 750ml in boxes of 12.

DESIGN FOAM GUN

Heavy duty professional metal foam applicator. Available with the Click&Fix adaptor or the classic threaded adaptor. The ultimate tool for quality conscious professionals.



COMPACT FOAM GUN

Compact quality tool made from high density plastics which are very easy to clean both for Click&Fix gun foam and for regular gun foam.



CLICK & CLEAN

Freshly spilled PU Foam must be removed quickly, before it starts curing. The Design Foam Gun can remain attached to the gun foam aerosol can with the valve of the can pointed upwards. When the job is finished, clean the gun with Click&Clean, an organic solvent designed for the removal of freshly spilled PU Foam and for the thorough cleaning of the Click&Fix Design Foam Gun.







## SODAFOAM CLICK & FIX LOW EXPANSION

- Single component PU Foam
- Limited expansion after extrusion
- Unique Click&Fix system  
for the ultimate ease in use

This advanced quality product combines the known advantages of Soudal Polyurethane Foams with a very fine extrusion bead. Due to its limited expansion after extrusion, Soudafoam Low Expansion can be used in very precise applications. Fitted with the unique, patented Click&Fix system.

Available in aerosol cans in boxes of 12.



## SODAFOAM GUN

- Single component PU Gun foam
- Threaded adaptor  
for standard gun foam cans

With Soudafoam Gun Polyurethane Foam professional applicators can apply the required quantities of PU Foam with ease and precision. Fitted with a threaded adaptor.

Available in aerosol cans in boxes of 12.



## SODAFOAM GUN LOW EXPANSION

- Single component PU Foam
- Limited expansion after extrusion
- Threaded adaptor  
for standard gun foam cans

Due to its limited expansion after extrusion, Soudafoam Low Expansion can be used in very precise applications. Fitted with a threaded adaptor.

Available in aerosol cans in boxes of 12.

## Foam Specialties

As Europe's leading manufacturer, Soudal offers a range of PU Foams for specialized applications. This range includes PU Foams for fire rated applications, for the Mining Industry and for the installation of drains and wells. These applications have been developed with industrial partners and make use of the versatility of PU Foams and are based on the extensive know-how of our R&D chemists.

### ■ Fire resistance, Soudafoam FR, Soudafoam FR Click&Fix Test Report 9297 C

Thickness of wall	Joint dimension	Fire resistance in minutes
200 mm cellular concrete	Width 11 mm Depth 200 mm	229 min.
200 mm cellular concrete	Width 41 mm Depth 200 mm	110 min.
100 mm cellular concrete	Width 31 mm Depth 100 mm	50 min.
100 mm cellular concrete	Width 10 mm Depth 100 mm	103 min.

- prEN 1366-4 - Test Report 9297, University of Ghent, 1999.
- UK: BS476:Part20:1987 - WFRC N° C113610
- Australia: 45717 to AS1530.4 and AS4072.1
- The Netherlands: TNO rapport 2000-CVB-R00703 to NEN6069:1997
- Hungary: 446-12/1/2003

### Test Report CSTB - PV RS00-067

Thickness of wall	Joint dimension	Fire resistance in minutes
200 mm poured concrete	Width 40 mm Depth 200 mm	180 min.
200 mm poured concrete	Width 30 mm Depth 200 mm	240 min.
200 mm poured concrete	Width 20 mm Depth 200 mm	360 min.
200 mm poured concrete	Width 10 mm Depth 200 mm	360 min.

- France: Rapport d'Essai RS00-067

Soudal offers a complete range of fire rated and heat resistant products which include PU Foams and sealants for various specific applications. Next to the Polyurethane Foams the range includes:

- Fire Silicone B1 FR, neutral cure fire rated silicone sealant for expansion joints and fire rated glazing.
- Firecryl FR, intumescent acrylic sealant for interior sealing applications on porous substrates.
- FFC210FR, intumescent fire rated sealant for cable ducts and pipe penetrations.
- Various heat resistant sealants, such as engineering silicones (neutral cure and acetic cure) and refractory sealants.

All fire rated products have been tested by independent laboratories to international standards.



**SOUDAFOAM FR  
CLICK & FIX**



- Single component PU Foam
- Unique Click&Fix system for the ultimate ease in use
- Fire rating of up to 360 minutes
- Very precise application

High quality fire rated Polyurethane Foam for professional fitters of fire rated door frames and for all applications requiring fire rated Polyurethane Foams. Fitted with Soudal's patented Click&Fix adaptor system for the ultimate ease in use.



**SOUDAFOAM FR**



- Single component PU Foam
- Fire rating of up to 360 minutes

High quality fire rated single component Polyurethane Foam for professional fitters of fire rated door frames and for all applications requiring fire rated Polyurethane Foams. Tested in various fire tests by independent test institutes (see table). Always ready to use when foam gun is needed. Use Soudafoam FR Click&Fix for large scale applications.

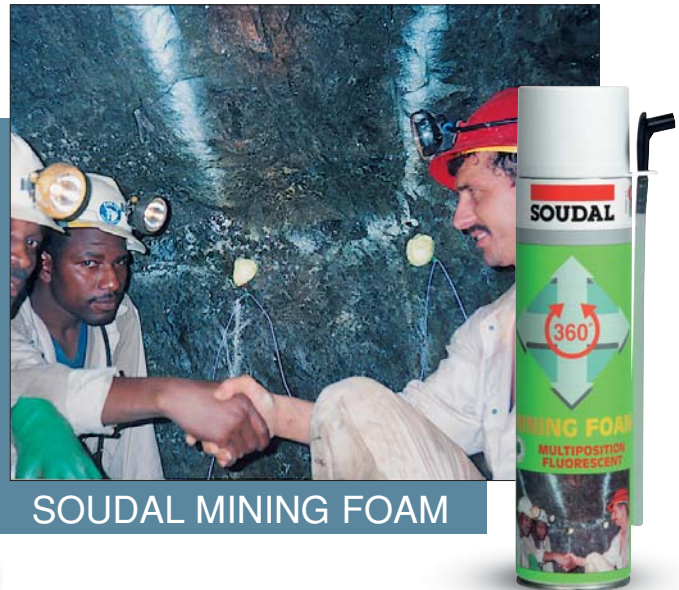




SOUDAFOAM FR 2K B2

- Two- component PU Foam
- Very fast curing; can be trimmed after 20 minutes
- Cures in dry surroundings where no moisture is available
- Meets DIN 4102 B2 standard
- Certified for the installation of different types of fire doors

Soudafoam FR 2K B2 requires no moisture to cure. It combines high end strength and high density when fully cured and can be trimmed into shape after only 20 minutes. Use within 5 minutes to avoid curing inside the can.



SOUDAL MINING FOAM

- Developed for tamping of explosives in underground mining operations
- Completely non flammable propellants
- Any angle can for applications in difficult areas
- Fluorescent colour

Soudal Mining Foam is a patented system for the tamping of explosive charges in underground mining operations. Very fast cure. South African patent.



SOUDAL DRAIN & PIPE FOAM

- Single component PU Foam for both installation and sealing of concrete drain- and well pipes
- Independently tested



SOUDAL WINTER FOAM

- Single component PU Foam for applications at temperatures below 0°C
- Available in gun grade and manual grade
- Can be used at temperatures of as low as -10°C

