



800 ml

PREMIUM CLASS POLYURETHANE FOAM

65 LITER HIGH YIELD GUN VERSION

PROFI-FIX[®] MEGA is a one-component, gun applied, moisture cure, ready to use expanding polyurethane **foam with 40% increased yield for professional applications.**

Fixing and insulating of door and window frames. Insulating of pipes and filling of holes and gaps. Filling of joints and installation of electrical wiring. Fixing and insulating of wall panels, corrugated sheets, roof tiles, etc.

PROFI-FIX[®] MEGA üstün kaliteli, tek bileşenli, nemle sertleşen ve **%40 daha fazla hacim veren** çok amaçlı poliüretan köpüktür.

Капі ve cam çerçevelerinin montajı ve izolasyonunda. Boru hatlarının izolasyonu ve bunların hat boşluklarının doldurulmasında. Elektrik hatlarının izolasyonu ve boşluklarının doldurulmasında. Pano, tablo ve çatı panolarının yapıştırılması ve izolasyonunda, yarık ve çatlakların doldurulmasında kullanılır.

PROFI-FIX[®] MEGA однокомпонентная, полиуретановая, высококачественная, профессиональная пена, затвердевающая под воздействием влажности воздуха. **Объём выхода пены PROFIX[®] MEGA для профессионального использования увеличен на 40%.**

Предназначена для заполнения пустот при монтаже окон и дверей, герметизации строительных швов, заделки стыков сопрягаемых деталей; заделки отверстий вокруг проложенных труб, кабелей и т.д., а так же для приклеивания отделочных и изоляционных панелей.



TECHNICAL DATA SHEET

PROFI-FIX MEGA PU GUNFOAM 65L

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Product Description **PROFI-FIX MEGA PU Gun Foam 65L** is a one-component polyurethane foam designed for mounting and sealing applications to be dispensed through any of the professional one-component dispensing units (gun applicators). It hardens under the air moisture effect. It shows a perfect adhesion into typical construction materials like: brick, concrete, plaster, wood, glass, metals, foamed polystyrene, hard PVC, and rigid PUR foams. It has no adhesion into polyethylene, silicone and teflon. The product characterizes an excellent heat-insulation, sound absorbance and high ageing resistance. Foam is additionally mould growth and fungal attack resistant. It is possible to get up to 65 litres of cured foam from one can, but this largely depends on working conditions - temperature, air humidity, available space for expanding, etc. There is no remarkable post-expansion.

Typical Applications

- Doorframes and windows mounting (where a clean and controlled backfill is required)
- Roller blinds (sealing of connection joints)
- Entrance door linings
- Any kind of small breakthroughs
- In walls and other cavities
- Heat insulation of water systems, sewage systems and central heating systems
- Fixing and insulating of wall panels, division walls, driver's cabs and boats
- Connecting of wooden prefabricated elements in frame constructions
- Heat insulation of roofs and floors
- Filling of gaps in the building heat insulation.

Application conditions Air temperature during application $-10\text{ }^{\circ}\text{C} \div +30\text{ }^{\circ}\text{C}$, best results at $+20\text{ }^{\circ}\text{C}$. Can temperature during application $+5\text{ }^{\circ}\text{C} \div +25\text{ }^{\circ}\text{C}$, best results at $+20\text{ }^{\circ}\text{C}$. Surfaces must be clean from dust, loose particles and oil before foam is applied. Soft foam can be removed with acetone, cured foam only mechanically. Cured foam can be painted.

Characteristics

Composition:	4.4'-diisocyanate of diphenylomethane, propellants
Colour:	light-yellow
Working temperature (of base)	$+5\text{ }^{\circ}\text{C} \sim +30\text{ }^{\circ}\text{C}$ (optimum $+20\text{ }^{\circ}\text{C}$)
Container temperature	$+10 \sim +30\text{ }^{\circ}\text{C}$
Thermal stability of cured foam	$-60\text{ }^{\circ}\text{C}$ up to $+100\text{ }^{\circ}\text{C}$
Density:	$0.019 - 0.026\text{ g/cm}^3$ ($19 - 26\text{ kg/m}^3$)
Dimensional stability:	3 - 5% (at $23\text{ }^{\circ}\text{C}$, 50% RH, 24 hours)
Water absorption	1.5% (after 24 hours)
Strength:	0.05 MPa (compressive strength) 0.14 MPa (tensile strength)
Thermal conductivity factor	0.036 W/mK
Flammability	B3 (DIN 4102)
Solvent (before hardening)	acetone
Tack free time	8 - 12 min ($23\text{ }^{\circ}\text{C}/\text{RH } 50\%$)
Cutting time	>15-30 min ($23\text{ }^{\circ}\text{C}/\text{RH } 50\%$)
Time of complete hardening	24h
Yield:	800 ml: ab. $55 - 65\text{ dm}^3$ ($23\text{ }^{\circ}\text{C}/\text{RH } 50\%$) 750 ml: ab. $52 - 60\text{ dm}^3$ ($23\text{ }^{\circ}\text{C}/\text{RH } 50\%$)

Packaging and Storage Product is packed into aerosol containers of: 750 ml capacity. Storage time is up to 12 months (since the production date). Store in the dry and cool place in factory original containers. Storage temperature: $+5\text{ }^{\circ}\text{C}$ to $+30\text{ }^{\circ}\text{C}$ (for the short time it may be stored under the temperature not lower than $-5\text{ }^{\circ}\text{C}$). It is not allowed to store containers under the temperature higher than $+50\text{ }^{\circ}\text{C}$ and near to the naked fire. To avoid the valve choking with hardened foam, store containers in the vertical position (valve up). Container can not be neither squeezed nor pierced, even after complete emptying.

Safety regulations

- Can contains diphenylmethane 4,4-diisocyanate,
- Foam is health harmful when inhalation,
- It is recommended to wear protective clothes, glasses, and gloves,
- During the foam application process, the room should be properly ventilated, in case of need apply the airways protecting apparatus;
- Try to avoid direct contact with the human skin, in case of contact with eyes – wash them immediately with water and consult doctor;
- Do not apply the foam near the naked fire and don't smoke during operation;
- Pressurized container;
- Container can not be neither squeezed nor pierced, even after complete empty.
- Don't expose to the temperature exceeding +50 °C
- Don't heat up the foam container exposing on sunlight, the naked fire, heaters, burners, and other artificial heating sources;
- Keep out of the reach of children;
- Transport of containers may be the land transport.

The data shown can only represent a general guideline. Depending upon particular application circumstances and techniques beyond the control of the manufacturer, these guidelines can not entitle to any claim. Sufficient pre-testing is recommended. More detailed information regarding industrial safety is included in the Material Safety Data Sheet (MSDS).