

AP333 ALL IN ONE FOAM

All in one foam is a polyurethane foam, which can be used with the gun as well as its use with both large and narrow diameter pipettes thanks to its special formulation. Besides its fire retardant feature, the adjustment of the expansion ratio (less expansion [gun], medium level expansion [narrow diameter pipette]) and high expansion [large diameter pipette] make it an ideal solution for all applications.

FEATURES & BENEFITS

- **Application with gun:**
 - High metric efficiency, economical.
 - Easy to control, comfortable application
 - Up to 45 liters of efficiency and 40% expansion depending on humidity and temperature.
- **Application with narrow diameter pipette;** ▪ High filling capacity with %180-240 expansion.
 - Easy to use for DIY users.
- **Application with large diameter pipette;**
 - Easy to fill big caps with %300-380 expansion rate.
 - Very high efficiency for filling big caps.
- Excellent adhesion on most building materials (except Teflon, PE, PP).
- High thermal and acoustic isolation.
- Cured foam can be cut, sanded, painted and plastered.
- Mildew & water resistant.
- Does not contain propellants harmful to ozone layer.
- Classified as B2 according to DIN 4102 and E to EN 13501-1 standards

APPLICATION AREAS

- Installation and isolation of door and window frames,
- In filling and sealing gaps, large cracks and holes,
- For thermal and acoustic isolation,
- In the isolation of electrical installations, hot and cold water pipes.
- As a multi-purpose filler, bonder and isolator.

APPLICATION METHOD

- Application surfaces must be free of dust, oil and any chemical contaminations.
- During application the can and ambient temperature should be between +5°C and +30°C.
- For the best results, the can and ambient temperature should be between +20 °C and +25 °C.

Application with gun;

- Once the application gun is inserted into the adapter above the can, the can is thoroughly shaken.
- The foam outlet is adjusted using the trigger of the application gun while the can is upside down.
- Foam outlet speed can be adjusted with the valve behind the gun.

Application with pipette;

- An appropriate pipette must be selected for the application.
- Pipettes are mounted to valve by turning.
- After the pipette has been placed in the valve correctly, the can should be shaken well.
- Foam is released by pressing the valve with the can upside down.
- The cavities must be partially filled since the foam will expand during curing.
- Moisturizing the surface, a little just before and after the application provides a faster curing time and increased bonding strength.
- Uncured foam can be cleaned with the help of Akfix 800C Foam Cleaner. Cured foam can only be removed by mechanical means.

RESTRICTIONS

- Shelf life may shorten if stored below + 25 °C and below +5 °C.
- Products should always be transported and stored with valves facing up.
- For the best results, the products should be kept at room temperature for at least 12 hours before the application.
- If the cured foam is exposed to direct sunlight, the color will turn yellow. UV rays cause deterioration in the cured foam's chemical structure. For the best results in outdoor applications, the foam should be painted or coated.
- Application at low temperatures reduces the efficiency of the foam and leads to a prolonged curing time.

SAFETY

- Contains diphenylmethane-4,4'-diisocyanate. Irritating to eyes, respiratory organs and skin.
- May be harmful by inhalation. Must be used in a sufficiently ventilated environment. ● PE gloves should be used when working.
- Pressured container; should not be exposed to direct sunlight or above 50 ° C.
- Keep away from igniting materials.
- Keep away from penetrating or flammable materials even after use.
- Must be kept away from children.

STORAGE & SHELF LIFE

- It can be stored for 12 months in its original package away from direct sunlight between +5 ° C and +30 ° C.

TECHNICAL PROPERTIES

For Gun Usage:

Chemical Structure	: Polyurethane	
Curing Mechanizm	: Moisture	
Density	: 17±3 kg/m ³	(ASTM D1622)
Skin Time (1 cm)	: 6±2 min.	(ASTM C1620)
Cutting Time (1cm)	: 20-45 min.	(ASTM C1620)
Curing Time	: 24 hours	
Foam Colour	: Orange	
Efficiency	: 40-45 L	(ASTM C1536)
Expansion Rate	: 30-60%	
Post Expansion Volume Loss	: < %5	
Fire Classification	: B2	(DIN 4102)
Thermal Conductivity	: 0,036 W/m.k (at 20°C)	(DIN 52612)
Pressure Resistance	: 0,030 MPa	(DIN 53421)
Water Absorption	: Max. % 1 in Volume	(DIN 53428)
Heat Resistance	: -40°C and +80°C	
Application Temperature	: +5°C and +30°C	
Can Temperature	: +5°C and +30°C	

The given results are applicable in 23 ± 2 °C temperature and % 50 ± 5 R.H.

For Narrow Diameter Pipette Usage:

Chemical Structure	: Polyurethane	
Curing Mechanizm	: Moisture	
Density	: 22±3 kg/m ³	(ASTM D1622)
Skin Time (1 cm)	: 7±2 min.	(ASTM C1620)
Cutting Time (1cm)	: 25-45 min.	(ASTM C1620)
Curing Time	: 24 hours	
Foam Colour	: Orange	
Efficiency	: 30-40 L	(ASTM C1536)
Expansion Rate	: 180-240%	
Post Expansion Volume Loss	: < %5	
Fire Classification	: B2	(DIN 4102)
Thermal Conductivity	: 0,036 W/m.k (at 20°C)	(DIN 52612)
Pressure Resistance	: 0,039 MPa	(DIN 53421)
Water Absorption	: Max. % 1 in Volume	(DIN 53428)
Heat Resistance	: -40°C and +80°C	
Application Temperature	: +5°C and +30°C	
Can Temperature	: +5°C and +30°C	

The given results are applicable in 23 ± 2 °C temperature and % 50 ± 5 R.H.

For Narrow Large Pipette Usage:

Chemical Structure	: Polyurethane	
Curing Mechanizm	: Moisture	
Density	: 22±3 kg/m ³	(ASTM D1622)
Skin Time (1 cm)	: 7±2 min.	(ASTM C1620)
Cutting Time (1cm)	: 35-60 min.	(ASTM C1620)
Curing Time	: 24 hours	
Foam Colour	: Orange	
Efficiency	: 30-40 L	(ASTM C1536)
Expansion Rate	: 300-380%	
Post Expansion Volume Loss	: < %5	
Fire Classification	: B2	(DIN 4102)
Thermal Conductivity	: 0,036 W/m.k (at 20°C)	(DIN 52612)
Pressure Resistance	: 0,039 MPa	(DIN 53421)
Water Absorption	: Max. % 1 in Volume	(DIN 53428)
Heat Resistance	: -40°C and +80°C	
Application Temperature	: +5°C and +30°C	
Can Temperature	: +5°C and +30°C	

The given results are applicable in 23 ± 2 °C temperature and % 50 ± 5 R.H.

PACKAGING

Product	Weight	Package
All in one foam	850 gr	12

DISCLAIMER

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.