



CHARACTERISTICS

- One-component polyurethane foam based on a moisture curing polyurethane prepolymer
- Accurately controlled application with NBS gun
- CFC- and HCFC- free (ozon friendly)
- The can has a safety valve in special synthetic material :
 - no intrusion of moisture
- Cured foam can be cut, sawn, plastered and painted
- High volume - low expansion
- Resistant against water, heat and chemicals
- Good thermal and acoustic insulation

APPLICATIONS

- Surfaces: excellent adhesion to concrete, masonry, stone, plasterwork, wood, fibre cement and metals.
- Filling, sealing and insulating of joints:
 - partition walls with ceilings
 - structural space between window- and door frames and walls
 - structural- and fitting space between prefabricated construction elements
 - seams between chimneys, roof protection, roof panels and wall panels

TECHNICAL CHARACTERISTICS	
Base	Polyurethane-prepolymer
Colour	Beige-yellow
Curing system	Moisture curing
Density: Feica TM 1002: 2014	20-25 kg/cm ³
Yield: Feica TM 1003: 2013	50-55 l (750 ml)
Fire class: DIN 4102, part 1	B3
Tack free: Feica TM 1014: 2013	After 10-14 min
Can be cut: Feica TM 1005: 2013	After 30-40 min
Cured	After 1 h (30 mm foam bead)
Processing temperature	+5°C - +30°C
Optimal can temperature	20°C
Temperature resistance	-50°C - +90°C
Tensile strength: BS 5241	7 N/mm ²
Compression resistance 10%: DIN 53421	2 N/cm ²
Acoustic insulation : DIN 52210-3	60 dB
Thermal conductivity: DIN 52612	0,034 W/mK
Shelf life, in the original packing in a cool and dry area, upright	18 months

PACKING AND COLOURS
12 cans of 750 ml/box - 56 boxes/pallet

This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for his application. Therefore, tests are necessary. Our general conditions apply.

METHOD OF USE

Preparation

Surfaces should be sound and free of dust and grease. Porous surfaces should be pre-moistened with water.

Application

- Shake can vigorously before use (20 to 30 times).
- Screw the can onto the gun according to the instructions. Hold the can upside down when extruding the foam.
- The dispensing volume can be controlled by using the gun trigger and the adjustment screw.
- Joint and cavities should only be filled 70%. When filling deep holes and joints the foam should be applied in beads at short intervals of 1 hour.

Cleaning

Fresh foam spills must be removed immediately within the tack-free time with **Parafoam Gun & Spray cleaner**.

Cured foam can only be removed mechanically or with **Parafoam remover**.

SAFETY

Safety data sheet available on request.

LIMITATIONS

- Not UV resistant
- Does not adhere to silicones and polyethylene

TECHNICAL APPROVALS



* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).



This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for his application. Therefore, tests are necessary. Our general conditions apply.

DL Chemicals
Roterijstraat 201-203
B-8793 Waregem
T: +32 (0)56 62 70 51
F: +32 (0)56 60 95 68
www.dl-chem.com



FORSAFOAM NBS

Gun Foam

Description

Forsafoam NBS is a one-component polyurethane gun filler foam, based on a moisture curing polyurethane prepolymer.

Applications

Forsafoam NBS is ideal for back filling, sealing, bonding and isolation.

- window installation (clean, controlled filling, insulating and sealing of gaps when fitting windows and roller blind boxes)
- Filling gaps and cavities around exterior door frames, but not for frame installation without additional mechanical fixing measures.
- Filling small brickwork cavities, service pipe inputs and similar gaps.

Excellent adhesion to concrete, masonry, stone, plasterwork, wood, fibre cement, metals and plastics, such as polystyrene, polyester and rigid PVC. No adhesion to polyethylene, silicone, oils and grease, die release agents and similar substances.

Properties

- temperature resistant (between -50°C and +90°C)
- not UV-resistant
- excellent noise and insulation values
- can be painted or plastered
- applicator gun enables simple, clean, high-volume accurate foam delivery

Preparation

Surfaces must be dry, free of dust, grease and loose particles. Porous surfaces should be pre-moistened well with water. If necessary apply a primer.

Application instructions

Follow the instructions on the pack and the instructions of the gun. The can must be shaken thoroughly 20 times before use. Attach the can to the gun. Take care not to overtighten the can. The can is held upside down while extruding the foam. Joints and cavities should only be filled 65%. Moistening substrates with a fine water spray helps and accelerates curing. When filling deep holes and joints the foam should be applied in layers moistening after each layer is recommended.

Cleaning

Fresh foam can be removed by means of Parafoam Gun & Spray Cleaner. Cured foam can only be removed mechanically or by means of Parafoam Remover.

Packing

12 x 750 ml tin-plated cans – 56 boxes/pallet

Shelf life

12 months when stored in a cool and dry place. Store can upright.

Rev.3
122017

This data sheet replaces all previous versions. The data on this sheet have been drafted according to the last state of the laboratory data. Technical characteristics can be changed or adapted. We are not responsible in case of incompleteness. Before usage, one needs to ensure that the product is suitable for its application. Therefore, tests are necessary. Our general conditions apply.

Safety

See safety data sheet. The ideal working temperature for the can is 20°C; chilled cans must be carefully warmed in luke-warm water before usage. However the can must not be heated above +50°C, as there is a risk of bursting. Cans which are too hot, must be cooled in water. Do not shake the can during cooling process.

Technical data

Base	Polyurethane
Curing system	Moisture curing
Yield: Feica TM 1003: 2013	40-45 liter (750 ml)
Fire class	B3 (DIN 4102 part 1)
Tack free: Feica TM 1014: 2013	After 12-16 min (at +23°C, 50% RH)
Can be cut: Feica TM 1005: 2013	After 30-40 min (at +23°C, 50% RH)
Application temperature	Ambient: +5°C up to +30°C Ideal: +20°C
Temperature resistance	-50°C up to +90°C
Colour	Beige-yellowish
Tensile strength: BS5241	11 N/cm ²
Thermal conductivity	0,03W/mK
Compression resistance 10%: DIN53421	2 N/cm ²

DL Chemicals
Roterijstraat 201-203
B-8793 Waregem
T: +32 (0)56 62 70 51
F: +32 (0)56 60 95 68
www.dl-chem.com



FORSAFOAM 1C

Adaptor Foam

Description

Forsafoam 1C is an one-component polyurethane straw foam, based on a moisture curing polyurethane prepolymer. The product does not contain substances with an Ozone depleting potential.

Applications

Forsafoam 1C is ideal for back filling, sealing, bonding and isolation.

Filling of joints, seams and cracks in:

- partition walls with ceilings
- structural space between window- and door frames and walls
- structural and fitting space between prefabricated construction elements
- around cables and pipes, penetrations through walls and ceilings
- glueing panels/ insulating sheets

Excellent adhesion to concrete, masonry, stone, plasterwork, wood, fibre cement, metals and plastics, such as polystyrene, polyester and rigid PVC.

Properties

- temperature resistant (between -50°C and +90°C)
- not UV-resistant
- excellent noise and insulation values
- can be painted or plastered

Preparation

Surfaces must be dry, free of dust, grease and loose particles. Porous surfaces should be pre-moistened well with water. If necessary apply a primer.

Application instructions

The can must be shaken thoroughly 20 times before use. Remove the cap. Screw the straw adapter carefully on the valve. Keep the can always with the valve down. Joints and cavities should only be filled 50%. Care must be taken not to overfill joints. When filling deep holes and joints the foam should be applied in beads at short intervals of 1-2 hours and moisten in between. Upright joints with a width of about 50 mm should be foamed from the bottom up. Once a can is started, it should be used within two weeks.

Cleaning

Fresh foam can be removed by means of Parafoam Gun & Spray Cleaner. Cured foam can only be removed mechanically or by means of Parafoam Remover.

Packing

12 x 750 ml tin-plated cans – 56 boxes/pallet

Shelf life

12 months when stored in a cool and dry place. Store can upright.

This data sheet replaces all previous versions. The data on this sheet have been drafted according to the last state of the laboratory data. Technical characteristics can be changed or adapted. We are not responsible in case of incompleteness. Before usage, one needs to ensure that the product is suitable for its application. Therefore, tests are necessary. Our general conditions apply.

DL Chemicals
Roterijstraat 201-203
B-8793 Waregem
T: +32 (0)56 62 70 51
F: +32 (0)56 60 95 68
www.dl-chem.com



Safety

See safety data sheet. The ideal working temperature for the can is 20°C; chilled cans must be carefully warmed in luke-warm water before usage. However the can must not be heated above +50°C, as there is a risk of bursting. Cans which are too hot, must be cooled in water. Do not shake the can during cooling process.

Technical data

Base	Polyurethane
Curing system	Moisture curing
Yield: Feica TM 1003: 2013	30-35 liter (750 ml)
Fire class	B3 (DIN 4102 part 1)
Tack free: Feica TM 1014: 2013	After 12-16 min (at +23°C, 50% RH)
Can be cut: Feica TM 1005: 2013	After 30-40 min (at +23°C, 50% RH)
Application temperature	Ambient: +5°C up to +30°C Ideal: +20°C
Temperature resistance	-50°C up to +90°C
Colour	Beige-yellow
Tensile strength: BS 5241	11 N/cm ²
Thermic conductivity	0,03 W/mK
Compression resistance 10% : DIN 53421	2 N/cm ²

This data sheet replaces all previous versions. The data on this sheet have been drafted according to the last state of the laboratory data. Technical characteristics can be changed or adapted. We are not responsible in case of incompleteness. Before usage, one needs to ensure that the product is suitable for its application. Therefore, tests are necessary. Our general conditions apply.



CHARACTERISTICS

- One-component polyurethane foam based on a moisture curing polyurethane prepolymer
- The foam can be used at very low ambient temperatures from -10°C to +30°C.
- Accurately controlled application with NBS gun
- CFC- and HCFC- free (ozon friendly)
- The can has a safety valve in special synthetic material :
 - no intrusion of moisture
- Cured foam can be cut, sawn, plastered and painted
- High volume - low expansion
- Resistant against water, heat and chemicals
- Good thermal and acoustic insulation

APPLICATIONS

- Surfaces: excellent adhesion to concrete, wood, masonry, stone, plasterwork, fibre cement and metals.
- Filling, sealing and insulating of joints:
 - partition walls with ceilings
 - structural space between window- and door frames and walls
 - structural- and fitting space between prefabricated construction elements
 - seams between chimneys, roof protection, roof panels and wall panels
 - around cables and pipes, penetrations through walls and ceilings

TECHNICAL CHARACTERISTICS	
Base	Polyurethane-prepolymer
Colour	Beige-Yellow
Curing system	Moisture curing
Density: Feica TM 1002: 2014	20-25 kg/cm ³
Yield: Feica TM 1003: 2013	40-45 l (750 ml)
Fire class: DIN 4102, part 1	B3
Tack free: Feica TM 1014: 2013	After 10-12 min
Can be cut: Feica TM 1005: 2013	After 30-35min
Cured	After 1 h (30 mm foam bead)
Processing temperature	-10°C - +30°C
Optimal can temperature	20°C
Temperature resistance	-50°C - +90°C
Tensile strength: BS 5421	9 N/cm ²
Compression resistance 10%: DIN 53421	3 N/cm ²
Thermic conductivity	0,034 W/mK
Acoustic insulation	60 dB
Shelf life, in the original packing in a cool and dry area.	18 months

PACKING AND COLOURS
12 cans of 750 ml/box - 56 boxes/pallet

This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for his application. Therefore, tests are necessary. Our general conditions apply.

METHOD OF USE

Preparation

Surfaces should be sound, free of dust and grease. Porous surfaces should be pre-moistened with water.

Application

- Shake can vigorously before use (20 to 30 times).
- Screw the can onto the gun according to the instructions. Hold the can upside down when extruding the foam.
- The dispensing volume can be controlled by using the gun trigger and the adjustment screw.
- Joint and cavities should only be filled 70%. When filling deep holes and joints the foam should be applied in beads at short intervals of 1 hour.

Cleaning

Fresh foam spills must be removed immediately within the tack-free time with **Parafoam Gun & Spray cleaner**. Cured foam can only be removed mechanically or with **Parafoam remover**.

SAFETY

Safety data sheet available on request.

LIMITATIONS

- Not UV resistant
- Does not adhere to silicones and polyethylene

TECHNICAL APPROVALS



* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).



This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for his application. Therefore, tests are necessary. Our general conditions apply.



CHARACTERISTICS

- One-component foam adhesive
- Ready to use, gun grade foam
- Glued parts are chargeable after 2h
- Free of CFC, HCFC and perfluorocarbons (PFCs) (ozon friendly)
- The can has a safety valve in special synthetic material :
 - no vulcanization behind the valve (no reaction of moisture with prepolymer).
- Cured glue is semi-hard, moisture resistant, rot-proof
- Non-ageing

APPLICATIONS

- Bonding polystyrene insulation panels within insulating systems, Styrofoam, MDF, Gyproc and OSB boards.
- Also suitable for the bonding of aerated concrete blocks in non-load bearing inner walls.
- Adheres well to all common building materials, with the exception of polyethylene, silicon, oil, grease, releasing agents or similar.
- Gluing can be done vertically against the facade or wall or horizontally on the roof.

TECHNICAL CHARACTERISTICS	
Base	Polyurethane-prepolymer
Colour	Orange
Curing system	Moisture
Fire class: DIN 4102, part 1	B3
Tack free: Feica TM 1014: 2013	After 5 min
Load bearing	After 2 h
Processing temperature	-5°C - +30°C, ideal 20°C
Temperature resistance	-50°C - +90°C
Capacity 750 ml	13 - 16 m ² (± 50 running metres)
Shear strength	>47 kPa
Compressive strain	2,6 N/cm ²
Shelf life, in the original packing in a cool and dry area.	18 months. Opened cans must be used within 4 weeks.

PACKING AND COLOURS
12 cans of 750 ml/box - 56 boxes/pallet

METHOD OF USE

Preparation

Surfaces should be firm, clean, free of dust and grease. Free of any loose pieces. Check existing coatings to ensure they are load-bearing and remove those if necessary. Always pre-moisten the surfaces with water.

Chilled cans must be carefully warmed up in lukewarm water before usage. However the can must not be heated above +50°C, as there is a risk of bursting. Cans which are too hot must be cooled in water. The can should be shaken occasionally during this process to obtain the required temperature faster.

This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for his application. Therefore, tests are necessary. Our general conditions apply.

Application

- Before the can is attached to the foam gun, it must be shaken thoroughly at least 20 times. Care must be taken that the threads are not crossed when attaching the can to the gun.
- Wear gloves and safety glasses when working.
- A bead of adhesive glue is applied along the edges and encloses a second bead in the shape of a snake on the insulating board. Please ensure that at least 40% of the insulating board is covered by the adhesive glue.
- After application wait 2-3 minutes and then press the insulation board against the wall whilst floating it into the right position. The applied glue is tack-free after 5 minutes. If the glue is already tack-free before the panel has been fixed to the wall, the glue has to be renewed.
- The insulating panels are laid starting from the bottom so that they touch each other and are staggered at the corners of the building. Observe strictly the instructions of the panel manufacturer. Utilizing a tongue- and groove system kit will help to achieve an even surface.
- During the curing process, the glue expands slightly and may push some of the panels away from the wall. Therefore check the panels and push them back to the wall before the glue has set.
- Sufficient adhesion is obtained after 1-2 hours; further processing is then possible.

Cleaning

Fresh foam spills must be removed immediately within the tack-free time with **Parafoam Gun & Spray Cleaner**.
Cured foam can only be removed mechanically or with **Parafoam remover**.

SAFETY

Safety data sheet available on request.

LIMITATIONS

- Not UV resistant
- Does not adhere to silicones and polyethylene

TECHNICAL APPROVALS

Feica



* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).



This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for his application. Therefore, tests are necessary. Our general conditions apply.

DL Chemicals
Roterijstraat 201-203
B-8793 Waregem
T: +32 (0)56 62 70 51
F: +32 (0)56 60 95 68
www.dl-chem.com



FORSAFOAM XPS GLUE NBS

Adaptor Foam

Description

Forsafoam XPS Glue NBS is a one-component adhesive gun foam for bonding panelglue insulation panels. Free of CFC, HCFC and perfluorocarbons (PFCs). Moisture hardening.

Applications

Bonding light weight insulation panels like XPS, EPS, PIR, PUR, polystyrene. Forsafoam XPS Glue NBS adheres well to all common building materials, with the exception of polyethylene, silicon, oil, grease, releasing agents or similar.

Properties

- Ready to use
- Cured glue is semi-hard, moisture resistant, rot-proof
- Temperature resistant from -50°C to +90°C
- Non-ageing
- Not resistant to UV rays
- CFC- and HCFC-free

Preparation

Surfaces should be firm, clean, free of dust and grease. Free of any loose pieces. Porous surfaces should be pre-moistened well with water.

Application instructions

Before the can is attached to the foam gun, it must be shaken thoroughly at least 15 – 20 times. Care must be taken that the threads are not crossed when attaching the can to the gun. Wear gloves and safety glasses when working. A bead of adhesive glue is applied in snake form over the whole surface. Please ensure that at least 40% of the insulating board is covered by the adhesive glue. After application wait 2-3 minutes and then press the insulation board against the wall whilst floating it into the right position. The applied glue is tack-free after 4-8 minutes. If the glue is already tack-free before the panel has been fixed to the wall, the glue has to be renewed. The insulating panels are laid starting from the bottom so that they touch each other and are staggered at the corners of the building. Observe strictly the instructions of the panel manufacturer. During the curing process, the glue expands slightly and may push some of the panels away from the wall. Therefore check the panels and push them back to the wall before the glue has set.

Cleaning

Fresh foam can be removed by means of Parafoam Gun & Foam Cleaner. Cured foam can only be removed mechanically or by means of Parafoam Remover.

Packing

12 x 750 ml tin-plated cans – 56 boxes/pallet

Shelf life

12 months when stored in a cool and dry place. Store can upright.

Rev.3
122017

This data sheet replaces all previous versions. The data on this sheet have been drafted according to the last state of the laboratory data. Technical characteristics can be changed or adapted. We are not responsible in case of incompleteness. Before usage, one needs to ensure that the product is suitable for its application. Therefore, tests are necessary. Our general conditions apply.

Safety

See safety data sheet. The ideal working temperature for the can is 20°C; chilled cans must be carefully warmed in luke-warm water before usage. However the can must not be heated above +50°C, as there is a risk of bursting. Cans which are too hot, must be cooled in water. Do not shake the can during cooling process.

Technical data

Base	Polyurethane
Curing system	Moisture curing
Yield	13 – 16 m ²
Fire class	B3 (DIN 4102 part 1)
Tack free: Feica TM 1014: 2013	After 12-16 min (at +23°C, 50% RH)
Can be cut: Feica TM 1005: 2013	After 30-40 min (at +23°C, 50% RH)
Stability load bearing	After ± 2 hours (at +23°C, 50% RH)
Application temperature	Ambient: +5°C up to +30°C Ideal: +20°C
Temperature resistance	Long term: -50°C up to +90°C
Colour	Beige yellow
Tensile strength: BS5241	11 N/cm ²
Compression resistance 10%: DIN 53421	2N/cm ²



CHARACTERISTICS

- One-component polyurethane fire-retardant foam
- Fire-resistant up to 180 minutes when applied between mineral materials
- To be applied with a gun
- Free of CFC's (ozon friendly)
- The can has a safety valve in special synthetic material:
 - no intrusion of moisture
- Cured foam can be cut, sawn and plastered
- High volume - low expansion
- Resistant against water, heat and chemicals

APPLICATIONS

- Excellent adherence on concrete, wood, brickwork, stone, plastering, metals, synthetics such as polystyrene, PU-foam, polyester, PVC.
- For the filling, sealing and insulating of big irregular gaps and joints, when fire retarding is required
 - sealing between wall and ceiling
 - between prefab elements
 - filling of entrance door linings and window settings

TECHNICAL CHARACTERISTICS	
Base	Polyurethane-prepolymer
Colour	Pink
Curing system	Moisture
Density: Feica TM 1002: 2014	25-30 kg/m ³
Yield: Feica TM 1003: 2013	± 45 l (750 ml)
Fire class: DIN 4102, part 1	B1
Fire resistance : EN 1366-4:2006 + A1:2010	Up to 180 min.
Tack free: Feica TM 1014: 2013	After 12-16 min
Can be cut: Feica TM 1005: 2013	After 30-40 min
Fully cured	After 1 h (30 mm foam bead)
Processing temperature	+5°C - +30°C, ideal 20°C
Temperature resistance	-50°C - +90°C
Tensile strength: BS 5241	8 N/cm ²
Compression resistance 10%: DIN 53421	2,5 N/cm ²
Thermal conductivity : DIN 52612	0,03 W/m ² K
Acoustic insulation value : DIN 52210-3	10 mm : RST, W (C; Ctr) = 60 (-2; -5) dB 20 mm: RST, W (C; Ctr) = 60 (-2; -5) dB
Shelf life, in the original packing in a cool and dry area, upright.	12 months

PACKING AND COLOURS
12 cans of 750 ml/box - 56 boxes/pallet

This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for his application. Therefore, tests are necessary. Our general conditions apply.

METHOD OF USE

Preparation

Ensure surfaces to be treated are clean, free of dust and grease. Moisten dry and porous surfaces for a good foam adhesion.

Application

- Use protective gloves and avoid contact with skin. Shake can vigorously 20 times before use.
- Screw the can onto the gun according to the instructions.
- The dispensing volume can be controlled by using the gun trigger and the adjustment screw. Joints and cavities should only be filled 60-70%. When filling deep holes and joints the foam should be applied in several layers which should be moistened in between.
- Start foaming at the lowest and deepest point.

Cleaning

Fresh foam spills must be removed immediately within the tack-free time with **Parafoam Gun & Spray cleaner**.

Cured foam can only be removed mechanically or with **Parafoam remover**.

SAFETY

Safety data sheet available on request.

LIMITATIONS

- Not UV resistant: protect joint from sunlight by painting.
- Does not adhere to silicones and polyethylene

TECHNICAL APPROVALS

Parafoam FR NBS has been tested for use in fire resistant linear joint seals according to norm EN 1366-4:2006 and classified according to EN13501-2:2007. Depending on the specific linear joint seal design, a fire resistance of up to 240 min is achievable.

- Feica



* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).



This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for his application. Therefore, tests are necessary. Our general conditions apply.