



PRODUCT TYPE

1K aerosol gun expanding adhesive

PRODUCT FEATURES

One-component, moisture cure ready to use, super-efficient universal polyurethane expanding adhesive. It is fast and easily applicable with special adhesive applicator. Please use the applicator tested and approved by producer of the can for best working experience. No more heavy bags, no more additional equipment, water and energy, no more dust & dirt, no more lengthy cleaning procedures and other time-killers with this innovative adhesive. The product allows you to finish your work with significantly less effort and helps you saving up to 50% of your working time. Eliminates thermal bridges and offers high bonding strength covering requirements of masonry mortar (EN 998-2). Adhesive has excellent adhesion on most building materials like wood, concrete, stone, metal etc. Product does not contain CFC-propellants.

Can is equipped with new generation valve, contributing to longer shelf-life and long-term quality of the product.

APPLICATION INSTRUCTIONS

Substrate preparation

Clean the surface of any contaminants such as grease, dirt, bitumen and dust. Make sure that the application surfaces are free from loose particles before adhesive is applied. The aerated concrete blocks must be dry. Other surfaces can be moist, but not frosted or iced. Remains of anti-adhesive substances, vapour tight paint coats and coatings with low adhesion should be completely removed.

Application temperature

- Working temperature – from -5°C to +35°C.
- Can temperature – from +5 to +30 °C. Can has preferably to be stored for at least 12 hours in room temperature.

Application method

- Shake the can vigorously before use (15 - 20 times).
- Remove the plastic cap from the can and screw the can tightly onto the gun. When working with the gun always keep the can upside down.
- The outflow rate of the adhesive is controlled by pressing gun trigger.
- Dispense the expansion adhesive sparingly, according to application instructions by application type on page 2.
- Repeat shaking regularly during application.
- It is not recommendable to remove the can before it is totally empty.
- When replacing the can shake the new can vigorously.
- Unscrew the empty can and replace it immediately to ensure that there is no air left in the gun.
- If you do not want to replace the can, remove the adhesive from the gun using PU cleaner. Hardened adhesive can only be removed mechanically.

SHELF-LIFE | STORAGE AND HANDLING

Best before 15 months. For longest shelf life avoid storage above +25°C and below +5°C (up to – 20 °C for a short period). Can might be stored in vertical and horizontal position. Protection from accidental rolling and unintended release is a must! Transportation of odd cans by passenger car: leave the container wrapped in a cloth in the trunk, never in the passengers' compartment.

Check separate [Storage and Handling Instructions](#).

PACKAGING

850/1000 ml

MAIN APPLICATIONS

- Bonding building blocks
- Bonding gypsum and OSB boards on walls
- Filling of minor cavities
- Application in low temperatures and at high humidity
- Bonding stair steps
- Bonding window sills

ATTENTION! Cured PU adhesive must be protected from UV radiation by painting or applying a top layer of sealant, plaster, mortar, or other type of covering.

PROPERTIES

Adhesive density HENK-PU-10.3	ca 20 kg/m ³
Tack free time TM 1014:2013	5 - 9 min
Curing pressure TM 1009:2013	<10 kPa
Post expansion TM 1010-2012	40 %
Open time	25 min
Fire class EN 13501	E (in joints ≤ 10 mm)
Yield per can	Brickwork: up to 10 m ² (brick size 60 cm x 25 cm, wall thickness < 11,5 cm) Gypsum boards: up to 8 m ²

BONDING POWER

To inorganic building materials	
Galvanized metal sheet	≥ 2 MPa
Ceramic tile	ca 2 MPa
Glass	ca 2 MPa
To wooden materials	
Timber	ca 2 MPa
OSB (oriented strand board)	ca 2 MPa
To plastic materials	
Formica®, underside	> 2 MPa
Glass fibre reinforced plastic	> 2 MPa
Polyoxymethylene (POM)	ca 2 MPa
Organic glass (PMMA)	ca 2 MPa
Polycarbonate (PC)	ca 2 MPa
ABS resin	ca 1 MPa
Polyvinylchloride (PVC)	ca 1 MPa

- Temperature resistance of cured foam:**
-40 °C...+90 °C, short term peaks up to +120 °C.

All measurements on norm. climate (+23 ± 2 °C | RH 50 ± 5%) unless indicated otherwise.

For [safety precautions and disposal instructions](#), see the corresponding product Material Safety Data Sheet.



APPLICATION INSTRUCTIONS ACCORDING TO TYPE OF APPLICATION

Brickwork – indoors and outdoors

- Apply CX 10 in parallel stripes along the horizontal and vertical edges of the block. Wall thickness < 11,5 cm: use 1 string; > 11,5 cm: use additional string. Keep a distance of 3-5 cm to the edges.
- NB!** The first layer of blockwork can be fixed with Ceresit CX 10 only if the ground is completely even and leveled. Otherwise put the first layer in a mortar bed and level it out. Correction time of blocks max. 1 min. If once fixed block has been removed again, a new adhesive layer must be applied.
- Place and fix the blocks max. 3 minutes after applying and gently hammer to provide proper leveling and stability of bonding.
- Check evenness of every layer with a spirit level. If the spirit level swings, smoothen the surface with a grater until perfectly leveled.
- Continue with the next steps (plastering) after only 2 hours.
- NB! Not to be used** for bricks exceeding dimensional differences >1 mm and irregular shape as well as for the bonding of building blocks with voids in view of patent EP 1 623 078 B1. **Not to be used** for load bearing walls, only for internal walls.

INFORMATION: The wall structure built with the help of the adhesive was tested according to EN 1364-1 with result: EI 90.

Gypsum Boards – easy positioning and fast fixing

- Apply CX 10 in parallel stripes (15 cm distance between the stripes) along the horizontal edges of the board. Keep 5 cm distance from the edges & fix the boards within max. 3 minutes after application.
- After exact positioning, press the board against the surface. Apply a constant pressure on the board for approx 5 min. After that mechanical stabilization can be removed.
- Continue with the next working steps approx. 2 h after the fixation.

Window Sills – thermal insulation and work on uneven surfaces

- Apply CX 10 in 2-3 parallel stripes along the horizontal edges of the sill. After exact positioning, press the board gently against the surface and fix it for 45-60 minutes.

Stair Steps – “one stop” solution for fixing

- Put the stair steps on wooden spacers to adjust the correct position. Use two spacers at the edges for small steps and a third one in the middle for bigger steps.
- Apply CX 10 in parallel stripes (10 -15 cm distance between the stripes) along the stair steps.
- Place the stair step on its place within 3 minutes after application.
- After exact positioning, press the board gently against the surface. Put a 10 kg weight onto the stair step and leave it for 45 - 60 min to avoid lifting.

INSTALLATION INSTRUCTIONS FOR THE CONSTRUCTION OF AERATED CONCRETE WALLS WITH PU ADHESIVE CERESIT CX10 (System “CereWall”) according to ETA-13/0693

CereWall, the building kit for internal separating walls can be used for fixed / non-bearing / separating walls and for paneling of exterior walls. The underlying ETA-13/0693 should be taken into consideration.

Properties:

- Application temperature: from -5 °C to 35 °C (ambient temperature)
- For various kinds of wall thicknesses starting at 75 mm (for EI 90 walls: 100 mm)
- Maximum allowable wall height: 3000 mm
- Length of the wall: unlimited
- Application time of Ceresit CX 10: 1 minute
- Curing time of Ceresit CX 10: 2 hours

Permissible aerated concrete blocks

The aerated concrete blocks must comply with the EN 771-4. The aerated concrete blocks can be provided with a smooth surface or a tongue-and-groove joint. The usable aerated concrete blocks have to fulfill the following specifications: The gross dry density of 475 kg/m³ and the compressive strength (≥ 2,5 N/mm²) of the aerated concrete blocks should not fall below their respective limits.

Construction of the wall

The first row of blocks is set into the mortar bed and aligned exactly by using a spirit level and a rubber mallet. Blocks that are not perfectly aligned (e.g. on the construction site produced fitting blocks) or potential surface irregularities need to be abraded with the sanding board. Before the adhesive is applied the surface needs to be cleaned thoroughly (removal of dust). The blocks need to be dry. Moist or wet blocks would lead to a reduction of the processing time (time between application of the adhesive and the setup of the bricks). The adhesive is cured after 2 hours.

Application of the adhesive

On top of the horizontal joint and on the frontal surface of the blocks 1 or 2 adhesive strands (diameter of the strand: 20 – 30 mm) are applied depending on the thickness of the wall. Regarding a wall with a thickness of up to 100 mm one strand in the center is sufficient, whereas a wall thicker than 100 mm requires two parallel strands with a distance of 30 – 50 mm in between. The appropriate quantity of foam can be adjusted with the adjusting screw on the gun applicator. The adhesive foam should be evenly applied in the middle of the layers. Excess adhesive is pressed out when the next layer is applied. The frontal joint of the first block of each row is bonded with the connecting wall by using Ceresit CX 10. On the opposite frontal joint 1 or 2 adhesive strands are applied (same description as above) and afterwards the next block is put on the wall and pressed against the frontal joint of the previous block. Corrections of the position of the block need to be effected immediately after applying by using a rubber mallet. The aerated concrete blocks should be installed within 1 minute after applying the adhesive. Once a block is put on the wall it should not be removed anymore, otherwise the adhesive strands have to be renewed. Please be aware of the respective valid norms, laws and technical guidelines of each country for the prescribed masonry association.

Check separate **System CereWall Instructions** for additional information.



Henkel uses test methods approved by FEICA designed to deliver transparent and reproducible test results, ensuring customers have an accurate representation of product performance. FEICA OCF test methods are available at: <http://www.feica.com/our-industry/pu-foam-technology-ocf>. FEICA is a multinational association representing the European adhesive and sealant industry, including one component foam manufacturers. Further information at: www.feica.eu.

