

Technical Data Sheet

BENMAN ADHESIVE POLYURETHANE GUN FOAM PU FIX 52

Product code: 73021

One-component polyurethane adhesive hardening due to air humidity. The adhesive is manufactured in compliance with requirements of ISO 9001:2015 standard.

BENEFITS

- high adhesion to building materials surface
- wide application temperature range
- high effectivity of preparation
- high effectivity of application
- high thermal bridges elimination
- clean technology
- low adhesive pressure
- the adhesive is safe for polystyrene board, not destroy them

RECOMMENDED USES

- multipurpose construction adhesive with high adhesion to many materials and substrates.



TECHNICAL DATA

Parameter (+23°C/50% RH)	Value
Full cure time (RB024) [h]	24
Open time [min]	≤5
Correction time [min]	≤15
Heat conductivity coefficient (λ) (RB24) [W/mK]	0,035
Flammability class (DIN 4102)	B3
Reaction to fire (EN 13501-1:2008)	F
Mechanical anchoring [h]	2

Yield (free foaming) [l]	≤42
Yield [m] (studies conducted for the adhesive tails 2-3cm in diameter, performance is dependent on ambient temperature, humidity, the distance between the adhesive and the wall elements and the chosen method of application)	40
Conditions of application	Value
Can / applicator temperature (optimal +20°C) [°C]	+10 - +30
Ambient / surface temperature [°C]	-10 - +30
Adhesion	Value
OSB (joint 1,5 mm) [kPa]	≥110
Concrete (joint ≤1 mm) [kPa]	≥ 500
Clay masonry elements (joint ≤1 mm) [kPa]	≥200
Silicate blocks (joint ≤1 mm) [kPa]	≥600
Metal sheet with polyester coating (joint 1,5 mm) [kPa]	≥120
PVC (joint 1,5 mm) [kPa]	≥130
Roofing felt with mineral sprinkle (joint 3 mm) [kPa]	≥40
Laminate floor panels (joint 1,5 mm) [kPa]	≥170
Wood (joint 1,5 mm) [kPa]	≥260
Glass (joint 1,5 mm) [kPa]	≥110
Colour	Value
Light gray	+

METHOD OF USE

Prior to application, read safety instruction presented at the end of TDS and in SDS.

Surface preparation

- The adhesive presents ideal adhesion to typical construction materials, such as: brick, concrete, plaster work, wood, metals, styrofoam, hard PVC and rigid PUR.
- The substrate should be stable, even, dry, free of dust, powder, oil and grease.
- Check the insulation boards, OSB, roofing felt - if the surface is covered with a hydrophobic coating or another substance, it is necessary to sand the surface a little with a grinding tool or sand paper to increase adhesion.

Product preparation

- Too cold can should be brought to room temperature, e.g. by immersion in warm water with temperature up to 30°C or leaving it in room temperature for at least 24 h.
- Applicator temperature cannot be lower than can temperature.

Application

- Put on protective gloves.
- Vigorously shake the can (10-20 seconds, the valve facing down) to thoroughly mix the components.
- Screw the can onto the gun.
- Working position of the can is “valve facing down”.
- Apply the adhesive along the surface forming bead with required diameter 2-3 cm.
- Adjust application speed by controlling straw trigger in order to maintain required bead diameter. Keep the straw in the already applied adhesive mass – abt. 1 cm above the surface.
- General application guidelines: Apply adhesive onto the substrate, with bead diameter of Ø 2-3 cm (bead diameter depends on the evenness of the substrate). Wait 1 min. after application and join the elements together, but no later than 5 min. after application. Position of bonded elements can be corrected within 15 min. In case of large surfaces such as drywall or OSB, the adhesive should cover ≥ 5 % of the bonding surface. In case of small decorative elements, adhesive should cover $\geq 50\%$ of bonding surface. Recommended joint thickness is ≤ 5 mm. If elements are bonded to the ceiling or vertical surfaces, they must be temporarily fastened in place for 15 min. It is recommend to use mechanical connectors and distances. Mechanical anchors can be inserted after 2h. Full cure time 24 h. Once fully cured, adhesive is easy to cut, sand, plaster or dispersion paint (acrylic, latex). Protect against UV with plaster, paint or tape.
- Plasterboard, OSB: Sand the OSB in the place where the glue will be applied. Apply a 2-3 cm diameter braid of glue keeping 5 cm distance from the perimeter of the glued surface and an additional braid of glue in the middle of the glued surface. The glue should cover $\geq 5\%$ of the glued surface.
- Windowsill, stair tread and riser: apply minimum 2 parallel adhesive beads on the substrate where the windowsill will be bonded/ steps around tread or riser keeping 5cm from the edges.
- Installation of internal thermal insulation of the roof: apply adhesive bead around the circuit 5cm from the edges and serpentine bead(s) across the middle if required.
- EPS and XPS molding, decorative elements or insulation boards: apply adhesive bead around the circuit 5cm from the edges and serpentine bead(s) across the middle if required.
- Autoclaved Aerated Concrete: wardrobe, bath/sink pedestal, small partition walls: apply adhesive bead 5 cm from the edges, in the middle of AAC block. The substrate of first layer must be regular and even.

Works after completion of application

- Should application be interrupted for more than 5 minutes, the applicator nozzle with fresh adhesive should be cleaned with polyurethane foam cleaner. To do so, place the plastic tube supplied with the dispensing gun packaging on the dispensing gun outlet to avoid the formation of mist containing the

cleaner and applicator residue during cleaning. Then screw the can with the cleaner onto the dispensing gun and press the trigger until clear liquid flows out of the gun. The can should be shaken prior to application.

- If the glue has not been used up completely after use, the applicator and also the valve should be cleaned with a polyurethane foam cleaner. To do this, place the plastic tube (included with the applicator) over the nozzle of the gun so that a mist containing the cleaner and residue from the applicator is avoided during cleaning. The can of cleaner should then be screwed onto the applicator and the trigger of the applicator pressed until clear fluid is coming out of it.

Remarks / restriction

- Do not use the product at temperatures lower than recommended.
- Open adhesive package should be used within 1 week.
- Product does not adhere to polyethylene, polypropylene, polyamide, silicones, Teflon.
- Quality and technical condition of used applicator affect the parameters of final product.
- Use acetone Cleaner to remove uncured adhesive. Caution! Cleaners can cause for foamed polystyrene boards by dissolving matter.
- Hardened adhesive may only be removed mechanically (e.g. with a knife).
- The adhesive should not be used in spaces without access of fresh air and poorly ventilated or in places exposed to direct sunlight.

ADDITIONAL INFORMATION

All given parameters are based on laboratory tests compliant with internal manufacturer's standards and strongly depend on foam hardening conditions (ca, ambient, surface temperature, quality of used equipment and skills of person applying the foam).

The manufacturer recommends to commence finishing works after full hardening is completed, i.e. after 24 h.

TRANSPORT / STORAGE

The adhesive maintains its usability within 12 months from manufacturing date, provided that it is stored in original packaging in vertical position (valve facing up) in a dry place in temperature +5°C do +30°C . Storage in temperature exceeding +30°C shortens the shelf life of the product, adversely affecting its parameters. The product may be stored in temperature -5°C, no longer however than for 7 days (excluding transport). Storage of adhesive cans in temperature exceeding + 50°C or in vicinity of open flame is not allowed. Storage of the product in a position other than recommended may result in jamming the valve. The can cannot be squeezed or pierced even when it is empty. Do not store the foam in the passenger compartment. Transported only in the trunk.

Detailed transport information is included in the Safety Data Sheet (SDS).

Transport temperature	Foam transport period [days]
< -20°C	4
-19°C ÷ -10°C	7
-9°C ÷ 0°C	10

PACKAGING

Product code	Packaging
73021	Can 750ml

SAFETY AND HEALTH PRECAUTIONS

The information contained herein is offered in good faith based on Producer's research and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information shall not be used in substitution for customer's tests to ensure that Producer's products are fully satisfactory for your specific applications. Producer's sole warranty is that the product will meet its current sales specifications. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. Producer specifically disclaims any other expressed or implied warranty of fitness for a particular purpose or merchantability. Producer disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.

Φύλλο Τεχνικών Προδιαγραφών

BENMAN ΑΦΡΟΣ ΠΟΛΥΟΥΡΕΘΑΝΗΣ ΠΙΣΤΟΛΙΟΥ ΣΥΓΚΟΛΛΗΤΙΚΟΣ PU FIX 52

Κωδικός προϊόντος: 73021

Αφρός πολυουρεθάνης συγκόλλησης ενός συστατικού που σκληραίνει υπό την επίδραση της υγρασίας του αέρα. Ο αφρός κατασκευάζεται σύμφωνα με τις απαιτήσεις του προτύπου ISO 9001:2015.

ΠΛΕΟΝΕΚΤΗΜΑΤΑ

- υψηλή πρόσκόλληση στην επιφάνεια των δομικών υλικών
- ευρύ φάσμα θερμοκρασιών εφαρμογής
- υψηλή αποτελεσματικότητα προετοιμασίας
- υψηλή αποτελεσματικότητα εφαρμογής
- υψηλή εξάλειψη θερμογεφυρών
- καθαριότητα
- χαμηλή πίεση συγκόλλησης
- ασφαλές για πλάκες πολυστερίνης

ΠΡΟΤΕΙΝΟΜΕΝΕΣ ΧΡΗΣΕΙΣ

- συγκολλητικό κατασκευής πολλαπλών χρήσεων με υψηλή πρόσκόλληση σε πολλά υλικά και υποστρώματα.



ΤΕΧΝΙΚΑ ΔΕΔΟΜΕΝΑ

Παράμετρος (+23°C/50%Σ.Υ)	Τιμή
Χρόνος πλήρους σκλήρυνσης (RB024) [h]	24
Ανοικτός χρόνος [min]	≤5
Χρόνος διόρθωσης [min]	≤15
Συντελεστής θερμικής αγωγιμότητας (λ) (RB24) [W/mK]	0,035
Κατηγορία ευφλεκτότητας (DIN 4102)	B3
Αντίδραση στη φωτιά (EN 13501-1:2008)	F
Μηχανική αγκύρωση [h]	2

Απόδοση (ελεύθερος αφρισμός) [l]	≤42
Απόδοση [m] (μελέτες που έγιναν για λωρίδες συγκολλητικού διαμέτρου 2-3 cm, η απόδοση εξαρτάται από τη θερμοκρασία περιβάλλοντος, την υγρασία, την απόσταση μεταξύ συγκολλητικού και των στοιχείων τοίχου και την επιλεγμένη μέθοδο εφαρμογής)	40
Συνθήκες εφαρμογής	Τιμή
Θερμοκρασία περιέκτη / εφαρμογέα (βέλτιστη +20°C) [°C]	+10 - +30
Θερμοκρασία περιβάλλοντος / επιφάνειας [°C]	-10 - +30
Προσκόλληση	Τιμή
OSB (αρμός 1,5 mm) [kPa]	≥110
Σκυρόδεμα (αρμός ≤1 mm) [kPa]	≥ 500
Πήλινα στοιχεία τοιχοποιίας (αρμός ≤1 mm) [kPa]	≥200
Πορομπετόν (αρμός ≤1 mm) [kPa]	≥600
Μεταλλικό φύλλο με επίστρωση πολυεστέρα (αρμός 1,5 mm) [kPa]	≥120
PVC (αρμός 1,5 mm) [kPa]	≥130
Τσόχα στέγης με ορυκτό (αρμός 3 mm) [kPa]	≥40
Δάπεδο laminate (αρμός 1,5 mm) [kPa]	≥170
Ξύλο (αρμός 1,5 mm) [kPa]	≥260
Γυαλί (αρμός 1,5 mm) [kPa]	≥110
Χρώμα	Τιμή
Ανοικτό γκρι	+

ΤΡΟΠΟΣ ΧΡΗΣΗΣ

Πριν από την εφαρμογή, διαβάστε τις οδηγίες ασφαλείας που παρουσιάζονται στο τέλος του παρόντος φύλλου και στο ΔΔΑ.

Προετοιμασία επιφάνειας

- Ο αφρός προσκολλάται σε τυπικά υλικά κατασκευής, όπως: τούβλα, σκυρόδεμα, σοβά, ξύλο, μέταλλα, φελιζόλ, σκληρό PVC και άκαμπτο PUR.
- Το υπόστρωμα πρέπει να είναι σταθερό, ομοιόμορφο, στεγνό, χωρίς σκόνες, λάδια και λίπη.
- Ελέγξτε τις μονωτικές πλάκες, το OSB, την τσόχα στέγης - εάν η επιφάνεια καλύπτεται με υδροφόβη επίστρωση ή άλλη ουσία, είναι απαραίτητο να τρίψετε λίγο την επιφάνεια με ένα εργαλείο λείανσης ή γυαλόχαρτο για να αυξήσετε την προσκόλληση.

Προετοιμασία προϊόντος

- Αν ο περιέκτης είναι πολύ κρύος θα πρέπει να έρθει σε θερμοκρασία δωματίου, π.χ. με εμβάπτιση σε νερό θερμοκρασίας έως 30°C ή αφήνοντάς τον σε θερμοκρασία δωματίου για τουλάχιστον 24 ώρες.
- Η θερμοκρασία του εφαρμογέα δεν μπορεί να είναι χαμηλότερη από αυτή του περιέκτη.

Εφαρμογή

- Φορέστε προστατευτικά γάντια.
- Ανακινήστε δυνατά τον περιέκτη για 10-20 sec, με τη βαλβίδα προς τα κάτω).
- Βιδώστε το ακροφύσιο στη βαλβίδα.
- Κατά τη χρήση ο περιέκτης πρέπει είναι με τη βαλβίδα στραμμένη προς τα κάτω.
- Εφαρμόστε τον αφρό κατά μήκος της επιφάνειας σχηματίζοντας σφαιρίδιο με διάμετρο 2-3 cm.
- Ρυθμίστε την ταχύτητα εφαρμογής ελέγχοντας τη σκανδάλη για να διατηρήσετε την απαιτούμενη διάμετρο σφαιριδίου. Κρατώντας το σωληνάκι στην ήδη εφαρμοσμένη μάζα συγκολλητικού - περίπου 1 cm πάνω από την επιφάνεια.
- Γενικές οδηγίες εφαρμογής: Εφαρμόστε στο υπόστρωμα, με διάμετρο σφαιριδίου $\varnothing$ 2-3 cm (η διάμετρος του σφαιριδίου εξαρτάται από την ομαλότητα του υποστρώματος). Μετά την εφαρμογή περιμένετε για 1 λεπτό και ενώστε τα στοιχεία μεταξύ τους, αλλά όχι αργότερα από 5 λεπτά μετά την εφαρμογή. Η θέση των συγκολλούμενων στοιχείων μπορεί να διορθωθεί εντός 15 λεπτών. Σε περίπτωση μεγάλων επιφανειών όπως γυψοσανίδας ή φύλλων OSB, ο αφρός πρέπει να καλύπτει $\geq 5\%$ της επιφάνειας συγκόλλησης. Σε περίπτωση μικρών διακοσμητικών στοιχείων, ο αφρός πρέπει να καλύπτει $\geq 50\%$ της επιφάνειας συγκόλλησης. Το συνιστώμενο πάχος αρμού είναι ≤ 5 mm. Εάν τα στοιχεία είναι κολλημένα στην οροφή ή σε κάθετες επιφάνειες, πρέπει να στερεωθούν προσωρινά στη θέση τους για 15 λεπτά. Συνιστάται η χρήση μηχανικών συνδέσμων. Μηχανικές αγκυρώσεις μπορούν να τοποθετηθούν μετά από 2 ώρες. Ο χρόνος πλήρους σκλήρυνσης είναι 24 ώρες. Μετά την πλήρη σκλήρυνση, ο αφρός είναι εύκολο να κοπεί, λειανθεί, σοβατιστεί και να βαφτεί. Προστατέψτε από την υπεριώδη ακτινοβολία μέσω σοβατίσματος, μπογιατισματος ή καλυψής με ταινία.
- Γυψοσανίδα, OSB: Τρίψτε το OSB στο σημείο που θα εφαρμοστεί ο αφρός. Εφαρμόστε μια πλεξούδα αφρού διαμέτρου 2-3 εκ. κρατώντας απόσταση 5 εκ. από την περίμετρο και μια επιπλέον πλεξούδα αφρού στη μέση της προς συγκόλληση επιφάνειας. Ο αφρός πρέπει να καλύπτει $\geq 5\%$ της προς συγκόλληση επιφάνειας.
- Περβάζια παραθύρων, σκαλοπάτια: εφαρμόστε τουλάχιστον 2 παράλληλα σφαιρίδια αφρού στο υπόστρωμα όπου θα κολληθεί το περβάζι - για το σκαλοπάτι γύρω από το πέλμα σε απόσταση 5 cm από τις άκρες.
- Τοποθέτηση εσωτερικής θερμομόνωσης της οροφής: Εφαρμόστε τον αφρό σε σφαιρίδια περιμετρικά σε απόσταση 5 cm από τις άκρες και σφαιρίδια σε οφιοειδές μοτίβο στη μέση εάν χρειάζεται.
- EPS και XPS, διακοσμητικά στοιχεία ή μονωτικές πλάκες: Εφαρμόστε τον αφρό σε σφαιρίδια περιμετρικά σε απόσταση 5 cm από τις άκρες και σφαιρίδια σε οφιοειδές μοτίβο στη μέση εάν χρειάζεται.
- Πορομπετόν: ντουλάπα, βάση μπάνιου/νιπτήρα, μικροί διαχωριστικοί τοίχοι: εφαρμόστε τον αφρό 5 cm από τις άκρες και στη μέση του μπλοκ από πορομπετόν. Το υπόστρωμα της πρώτης στρώσης πρέπει να είναι κανονικό και ομοιόμορφο.

Εργασίες μετά την ολοκλήρωση της εφαρμογής

- Εάν διακόψετε την εφαρμογή για περισσότερο από 5 λεπτά, το ακροφύσιο εφαρμογής θα πρέπει να καθαριστεί με καθαριστικό αφρού πολυουρεθάνης.
- Εάν δεν χρησιμοποιηθεί όλος ο αφρός, ο εφαρμογέας και η βαλβίδα θα πρέπει να καθαριστούν με καθαριστικό αφρού πολυουρεθάνης.

Παρατηρήσεις / περιορισμοί

- Μη χρησιμοποιείτε το προϊόν σε θερμοκρασίες χαμηλότερες από τις συνιστώμενες.
- Μετά το άνοιγμα να χρησιμοποιηθεί εντός 1 εβδομάδας.
- Το προϊόν δεν προσκολλάται σε πολυαιθυλένιο, πολυπροπυλένιο, πολυαμίδιο, σιλικόνη, τεφλόν.
- Η ποιότητα και η τεχνική κατάσταση του χρησιμοποιούμενου εφαρμογέα επηρεάζουν τις παραμέτρους του τελικού προϊόντος.
- Χρησιμοποιήστε καθαριστικό ακετόνης για να αφαιρέσετε τον αφρό που δεν έχει ωριμάσει. Προσοχή! Τα καθαριστικά μπορούν να διαλύσουν τις πλάκες αφρώδους πολυστερίνης (φελιζόλ).
- Ο σκληρυμένος αφρός μπορεί να αφαιρεθεί μόνο μηχανικά (π.χ. με μαχαίρι)
- Ο αφρός δεν πρέπει να χρησιμοποιείται σε χώρους χωρίς πρόσβαση σε καθαρό αέρα και ανεπαρκώς αεριζόμενους ή εκτεθειμένους στο άμεσο ηλιακό φως.

ΠΡΟΣΘΕΤΕΣ ΠΛΗΡΟΦΟΡΙΕΣ

Όλες οι παρεχόμενες παράμετροι βασίζονται σε εργαστηριακές δοκιμές που συμμορφώνονται με τα εσωτερικά πρότυπα του κατασκευαστή και εξαρτώνται σε μεγάλο βαθμό από τις συνθήκες σκλήρυνσης του αφρού (θερμοκρασία περιβάλλοντος και επιφάνειας, ποιότητα χρησιμοποιημένου εξοπλισμού και δεξιότητες του ατόμου που εφαρμόζει τον αφρό).

Ο κατασκευαστής συνιστά οι εργασίες φινιρίσματος να γίνουν μετά την πλήρη σκλήρυνση του αφρού, δηλαδή μετά από 24 ώρες από την εφαρμογή.

ΜΕΤΑΦΟΡΑ / ΑΠΟΘΗΚΕΥΣΗ

Ο αφρός διατηρεί τη χρηστικότητα του για 12 μήνες από την ημερομηνία κατασκευής, υπό την προϋπόθεση ότι φυλάσσεται στην αρχική του συσκευασία σε κάθετη θέση (η βαλβίδα προς τα επάνω), σε ξηρό μέρος σε θερμοκρασία +5°C έως +30°C. Η αποθήκευση σε θερμοκρασία άνω των +30°C μειώνει τη διάρκεια ζωής του προϊόντος, επηρεάζοντας αρνητικά τις παραμέτρους του. Το προϊόν μπορεί να φυλάσσεται σε θερμοκρασία -5°C, όχι όμως περισσότερο από 7 ημέρες (εκτός της μεταφοράς). Δεν επιτρέπεται η αποθήκευση δοχείων αφρού σε θερμοκρασία άνω των +50°C ή κοντά σε ανοιχτή φλόγα. Η αποθήκευση του προϊόντος σε θέση διαφορετική από τη συνιστώμενη μπορεί να οδηγήσει σε εμπλοκή της βαλβίδας. Ο περιέκτης δεν πρέπει να πιεστεί ή να τρυπηθεί ακόμα και όταν είναι άδειος. Μην αποθηκεύετε τον αφρό στο χώρο επιβατών. Μεταφέρεται μόνο στο χώρο αποσκευών.

Λεπτομερείς πληροφορίες μεταφοράς περιλαμβάνονται στο δελτίο δεδομένων ασφαλείας (ΔΔΑ).

Θερμοκρασία μεταφοράς	Χρόνος μεταφοράς [ημέρες]
< -20°C	4
-19°C ÷ -10°C	7
-9°C ÷ 0°C	10

ΣΥΣΚΕΥΑΣΙΑ

Κωδικός προϊόντος	Συσκευασία
73021	Δοχείο 750ml

ΠΡΟΦΥΛΑΞΕΙΣ ΑΣΦΑΛΕΙΑΣ ΚΑΙ ΥΓΕΙΑΣ

Οι πληροφορίες που περιέχονται στο παρόν παρέχονται καλή τη πίστει με βάση την έρευνα του Παραγωγού και πιστεύεται ότι είναι ακριβείς. Ωστόσο, επειδή οι συνθήκες και οι μέθοδοι χρήσης των προϊόντων μας είναι πέρα από τον έλεγχό μας, αυτές οι πληροφορίες δεν πρέπει να χρησιμοποιηθούν ως υποκατάστατο των δοκιμών του πελάτη για να διασφαλιστεί ότι τα προϊόντα του Παραγωγού είναι πλήρως ικανοποιητικά για τις συγκεκριμένες εφαρμογές του. Η μόνη εγγύηση του παραγωγού είναι ότι το προϊόν θα πληροί τις τρέχουσες προδιαγραφές πώλησης του. Η αποκλειστική σας αποζημίωση για την παραβίαση αυτής της εγγύησης περιορίζεται στην επιστροφή χρημάτων της τιμής αγοράς ή στην αντικατάσταση οποιουδήποτε προϊόντος που αποδεικνύεται ότι είναι διαφορετικό από αυτό που εγγυάται. Ο παραγωγός αποποιείται συγκεκριμένα οποιαδήποτε άλλη ρητή ή σιωπηρή εγγύηση καταλληλότητας για συγκεκριμένο σκοπό ή εμπορευσιμότητα. Ο παραγωγός αποποιείται την ευθύνη για τυχόν τυχαίες ή επακόλουθες ζημιές. Οι προτάσεις χρήσης δεν θα πρέπει να λαμβάνονται ως κίνητρα για παραβίαση οποιουδήποτε διπλώματος ευρεσιτεχνίας.

Fișa Tehnică

BENMAN ADEZIV POLIURETANIC PENTRU PISTOL PU FIX 52

Cod Product: 73021

Spumă poliuretanică monocomponentă care se întărește datorită umidității aerului. Produsul este fabricat în conformitate cu cerințele standardului ISO 9001:2015.

BENEFICII

- aderența spumei la suprafețe – ridicat
- admiterea aplicării la temperaturi variate
- eficiența ridicată în timpul preparării
- eficiența ridicată în timpul aplicației
- eliminarea punților termice – ridicat
- tehnologia ecologica curată
- presiunea tubului de spumă - scăzută
- adezivul este sigur pentru plăcile de polistiren, nu le distruge

UTILIZARE RECOMANDATĂ

- adeziv de construcție multifuncțional cu aderența ridicată la mai multe materiale și substraturi.



DATE TEHNICE

Parametru (+23°C/50% RH)	Valoare
Întărire finală (RB024) [h]	24
Timp deschis de aplicare [min]	≤5
Timp de corecție [min]	≤15
Coeficientul de conductivitate a căldurii (λ) (RB24) [W/mK]	0,035
Clasa de inflamabilitate (DIN 4102)	B3
Clasa de reacție la foc (EN 13501-1:2008)	F
Ancorarea mecanică [h]	2

Randament (spuma liberă) [l]	≤42
Randament [m] (studii efectuate pentru liniile adezive de 2-3 cm în diametru, performanța depinde de ambianță, umiditatea, distanța dintre adeziv și elementele de pe perete și metoda de aplicare aleasă)	40
Condiții de aplicare	Valoare
Temperatură tub / pistol (optim +20°C) [°C]	+10 - +30
Temperatura mediului / substratului [°C]	-10 - +30
Aderență	Valoare
OSB (grosimea 1,5 mm) [kPa]	≥110
Beton (grosimea ≤1 mm) [kPa]	≥ 500
Construcții din argilă (grosimea ≤1 mm) [kPa]	≥200
Blocuri de silicat (grosimea ≤1 mm) [kPa]	≥600
Tablă metalică cu înveliș de poliester (grosimea 1,5 mm) [kPa]	≥120
PVC (grosimea 1,5 mm) [kPa]	≥130
Pâslă pentru acoperiș cu stropire minerală (grosimea 3 mm) [kPa]	≥40
Panouri laminate pentru podea (grosimea 1,5 mm) [kPa]	≥170
Lemn (grosimea 1,5 mm) [kPa]	≥260
Sticlă (grosimea 1,5 mm) [kPa]	≥110
Culoare	Valoare
Gri deschis	+

INSTRUCȚIUNI DE UTILIZARE

Înainte de aplicare, citiți instrucțiunile de siguranță prezentate la sfârșitul fișei tehnice și de securitate.

Pregătirea suprafeței

- Spuma are aderență la materialele de construcție tipice, cum ar fi: cărămidă, beton, tencuială, lemn, metale, polistiren, PVC dur și PUR rigid.
- Suprafața de lucru trebuie să fie stabilă, uscată, curățată și degresată.
- Verificați plăcile izolatoare, OSB, pâslă pentru acoperiș – în caz că suprafața este acoperită cu un strat hidrofob sau altă substanță, este necesar să șlefuiți puțin suprafața cu o unealtă sau cu hârtie de șlefuit pentru a crește aderența.

Pregătirea produsului

- Tubul prea rece trebuie adus la temperatura camerei, de ex. prin imersare în apă caldă cu o temperatură de până la 30°C sau lăsându-l la temperatura camerei timp de cel puțin 24 de ore.
- Temperatura pistolului nu poate fi mai mică decât temperatura tubului.

Aplicarea

- Folosiți mănușile de protecție.
- Agitați puternic recipientul (10-20 secunde, cu valva în jos) pentru a amesteca bine componentele din interior.
- Înșurubați tubul la pistol.
- Țineți întotdeauna tubul invers în timpul aplicării.
- Aplicați adezivul de-a lungul suprafeței care formează cordonul cu diametrul necesar 2-3 cm.
- Reglați viteza de aplicare controlând declanșatorul pistolului pentru a menține diametrul spumei necesare. Păstrați diametrul în masa adezivă deja aplicată – cca. 1 cm deasupra suprafeței.
- Instrucțiuni generale de aplicare: Aplicați adeziv pe suport, cu diametrul spumei de Ø 2-3 cm (diametrul spumei depinde de uniformitatea substratului). Așteptați 1 min. după aplicare și lipiți elementele împreună, dar nu mai târziu de 5 min. după aplicare. Poziția elementelor lipite poate fi corectată în 15 min. În cazul suprafețelor mari, cum ar fi gips-carton sau OSB, adezivul trebuie să acopere ≥ 5% din suprafața de lipire. În cazul elementelor decorative mici, adezivul trebuie să acopere ≥ 50% din suprafață. Grosimea recomandată a îmbinării este ≤ 5 mm. Dacă elementele sunt lipite de tavan sau vertical, acestea trebuie fixate temporar/mecanic timp de 15 min. Se recomandă utilizarea mecanică a conectori de distanță. Ancorele mecanice pot fi introduse după 2 ore. Timp de întărire completă 24 ore. Odată complet întărit, adezivul este ușor de tăiat, șlefuit, tencuit sau vopsit cu dispersie (acril, latex). Protejați împotriva razelor UV cu ipsos, vopsea sau bandă.
- Gips-carton, OSB: Șlefuiți OSB în locul unde va fi aplicat adezivul. Aplicați un diametru de 2-3 cm de spumă adezivă păstrând o distanță de 5 cm față de perimetrul suprafeței lipite și adăugați un strat de spumă adezivă în mijlocul suprafeței lipite. Adezivul trebuie să acopere ≥ 5% din suprafața lipită.
- Pervazul ferestrei, treapta de rulare și montarea: aplicați minim 2 benzi de adeziv paralele pe suportul unde va fi lipit pervazul / trepte în jurul benzii de rulare sau a rampei păstrând 5 cm de la margini.
- Instalarea izolației termice interioare a acoperișului: aplicați bandă de adeziv în jurul circuitului la distanță de 5 cm de la margini și banda/benzi serpentin(ă)/(e) în mijloc, dacă este necesar.
- Molduri EPS și XPS, elemente decorative sau plăci izolatoare: aplicați bandă de adeziv în jurul circuitului la distanță de 5 cm de la margini și bandă(benzi) serpentin(e) în mijloc, dacă este necesar.
- Beton celular autoclavat: dulap, pedestal pentru baie/chiuvetă, pereți despărțitori mici: aplicați bandă de adeziv având distanța de 5 cm de la margini, în mijlocul blocului AAC. Substratul primului strat trebuie să fie regulat și uniform.

Lucrări după finalizarea aplicării

- Dacă aplicarea este întreruptă mai mult de 5 minute, duza aplicatorului cu adeziv proaspăt trebuie curățată cu Agent curatitor de spumă poliuretanică. Pentru a face acest lucru, așezați paiul de plastic furnizat împreună cu ambalajul pistolului de dozare pe orificiul de intrare al pistolului de dozare pentru a evita formarea

de ceață care conține agentul de curățare și reziduurile aplicatorului în timpul curățării. Apoi înșurubați recipientul cu agentul de curățare pe pistolul de dozare și apăsați pe trăgaci până când lichidul transparent va curge din pistol. Tubul trebuie agitat înainte de aplicare.

- Dacă adezivul, nu a fost consumat complet după utilizare, aplicatorul, și de asemenea, supapa trebuie curățate cu un agent de curățare pentru spumă poliuretanică. Pentru a face acest lucru, așezați tubul de plastic (inclus cu aplicatorul) peste duza pistolului, astfel încât în timpul curățării să fie evitată o ceață care conține agent de curățare și reziduuri din aplicator. Apoi, recipientul cu agent de curățare trebuie să fie înșurubat pe aplicator și declanșatorul aplicatorului trebuie apăsat până când iese lichid limpede din acesta.

Observații / Restricții

- Nu utilizați produsul la temperaturi mai mici decât cele recomandate.
- Tubul de spumă deschis trebuie utilizat în decurs de o săptămână.
- Spuma nu are aderență la polietilenă, polipropilenă, poliamidă, silicon și teflon.
- Calitatea și starea tehnică a pistolului aplicator importa, deoarece afectează parametrii produsului final.
- Utilizați agent cu acetonă pentru a îndepărta adezivul neîntărit. Prudență! Agenții acetoni pot dizolva plăcile de polistiren expandat prin dizolvarea materiei în sine.
- Spuma întărită poate fi îndepărtată numai mecanic (de ex. cu un cuțit).
- Spuma nu trebuie folosită în spații fără acces la aer proaspăt și slab ventilate sau în locuri expuse la lumina directă a soarelui.

INFORMAȚII SUPLIMENTARE

Toți parametrii se bazează pe teste interne de laborator conforme cu standardele producătorului și depind în mare măsură de condițiile de întărire a spumei (de ex., mediul înconjurător, temperatura suprafeței, calitatea pistolului folosit și abilitățile persoanei care aplică spuma).

Producătorul recomandă începerea lucrărilor de finisare după întărirea completă a spumei, adică după 24 h.

TRANSPORT / DEPOZITARE

Spuma își păstrează gradul de utilizare în termen de 12 luni de la data fabricării, cu condiția să fie depozitat în ambalajul original în poziție verticală (supapă orientată în sus) într-un loc uscat, la temperaturi cuprinse între + 5° C și +30°C. Depozitarea la temperaturi mai mari de +30°C scurtează durata de valabilitate a produsului, afectând negativ parametrii acestuia. Produsul poate fi păstrat la temperatura de -5°C, nu mai mult de 7 zile (cu excepția transportului). Depozitarea tuburilor de spumă la temperaturi care depășesc +50°C sau în apropierea flăcării deschise nu este permisă. Depozitarea produsului într-o altă poziție decât cea recomandată poate duce la blocarea supapei. Tubul nu poate fi deformat sau perforat nici atunci când este golit de conținut.

Informații detaliate privind transportul sunt incluse în fișa de securitate (SDS).

Temperatura de transport	Perioada de transport (zile)
< -20°C	4
-19°C ÷ -10°C	7
-9°C ÷ 0°C	10

AMBALAJ

Cod Product	Ambalaj
73021	Tub 750ml

PRECAUȚII PRIVIND SIGURANȚA ȘI SĂNĂTATEA

Informațiile conținute aici sunt oferite cu bună credință pe baza cercetărilor producătorului și se presupune că sunt corecte. Cu toate acestea, deoarece condițiile și metodele de utilizare a produselor noastre nu sunt sub controlul nostru, aceste informații nu vor fi folosite în locul testelor clientului pentru a se asigura că produsele producătorului sunt pe deplin satisfăcătoare pentru aplicațiile dvs. specifice. Singura garanție a producătorului este că produsul va îndeplini specificațiile actuale de vânzare. Despăgubirea dvs. exclusivă pentru încălcarea unei astfel de garanții se limitează la restituirea prețului de achiziție sau la înlocuirea oricărui produs care nu este garantat. Producătorul declină în mod expres orice altă garanție exprimată sau implicită de adecvare pentru un anumit scop sau pentru vandabilitate. Producătorul nu își asumă răspunderea pentru eventualele daune adiționale sau consecvențiale. Sugestiile de utilizare nu trebuie luate ca stimulente pentru a încălca orice brevet.