



PATTEX

NMN ULTIMATE 3in1

Technical Data Sheet v.1, November 2025

Pattex Kleben Statt Bohren 3 in 1

CHARACTERISTICS

All purpose, one-part, elastic joint sealant and multipurpose adhesives for indoor and outdoor applications based on Flextec®-Technology.

- Mould resistant – contains fungicide.
- Good elasticity - movement capability 25%
- Excellent adhesion to a wide range of construction materials without primer
- Excellent adhesion on copper and brass
- Suitable for natural stones (like marble, granite)
- Can be applied to damp surfaces without bubbling or losing adhesion
- Very good UV-, weather and ageing resistance, color stability and ageing resistance
- Good workability even at low temperatures
- Nearly no shrinkage during curing
- Good paint compatibility
- Impact and vibration absorbing



APPLICATION FIELD

PATTEX NMN ULTIMATE 3in1 bonds well on a wide variety of substrates and is recommended for elastic and reliable bonding and sealing applications.

- Installing (bonding and sealing) of windowsills, skirting boards, covering boards, stair steps, tiles, fittings etc. bonding of baseboards, crash protection boards, stucco, metals, wood, stoneware, prefabricated elements and many more
- Sealing and bonding applications where mould resistance is required
- Sanitary joints, when the use of silicone sealants is not possible or not advisable (e.g. toilets/showers in automotive industry or paint shops)
- Filling/sealing of cracks
- Joints and seam seals in metallic and wooden construction
- Joints in ventilation & air-conditioning ductwork

STANDARDS

Conforms to EN ISO 11600	Class Class F-25HM, sealant for building construction
Conforms to EN 15651-1 (CE marking)	Class 25HM product type F-EXT-INT: sealant for facade for interior and exterior applications
Conforms to EN 15651-3 (CE marking)	Class XS1, product type S: sealant for joints in sanitary areas
Conforms to EN 15651-4 (CE marking)	Product type PW-EXT-INT: sealant for movement joints in floors for interior and exterior application
Conforms to ISO 16938-1 and -2	Suitable for natural stone, no staining
Conforms to IVD-Instruction Sheet No. 9	Perimeter joints of windows and exterior doors
GEV EMICODE®	EC 1 ^{plus} (very low emissions)
EN 15301-1	Reaction to fire: Class E



INSTRUCTIONS FOR USE

PATTEX NMN ULTIMATE 3in1 is supplied ready to use and can be used as an adhesive and sealant directly from the original packaging without any special pre treatment.

Surface preparation

All surfaces must be clean, free from any dust and grease or anything which may be detrimental to correct adhesion.

Residues of old sealant or other materials as well as mould on the substrate must be removed completely.

Cut the cartridge above the thread, for example using PATTEX smoothing cutter, then screw on the cartridge tip, cut it to the needed width and insert the cartridge into a suitable gun.

Bonding application

Apply PATTEX NMN ULTIMATE 3in1 in strips or spots on the bonding surface at intervals of a few centimeters. Use hand pressure to set the element to be bonded into position. If necessary, use adhesive tape, wedges, or props to hold the assembled elements together for the initial hours of curing. An incorrectly positioned element can be easily unfastened and repositioned in the first few minutes after application. Apply pressure again. Optimum bonding will be obtained after complete curing of PATTEX NMN ULTIMATE 3in1, i.e. after 24 to 48 hours at +23°C for a thickness between 2 to 3 mm.

Strip application (vertical):

With vertical application, moisture cannot accumulate, it escapes again below the workpiece. This prevents prolonged exposure to water on the adhesive, including through condensation.



Spot application:

For light workpieces, spot application is possible, as air circulation promotes rapid curing.



Joint dimensions

When designing joints, ensure that they are sufficiently dimensioned and, to prevent three-sided adhesion, insert closed-cell PE backfill material into the joint. As a general rule, professional, movement-compensating sealing of rectangular joints should start at a minimum joint width and depth of 5 mm to ensure permanent flank adhesion. In general, the width should be at least 10 mm and no more than 35 mm. For joint widths up to 10 mm, the depth should be equal to the width; for joint widths between 10 mm and 35 mm, the depth should not exceed half the width. For triangular joints, the width of the joint flanks must also be at least 5 mm. To get best sealing results it is recommended to mask edges of the joints with a tape before application of the sealant mass.

Sealing application

Apply the sealant without any bubbles. Immediately, after application smooth the joint with slightly surfactant-containing water (max 5% soapy water) and a suitable smoothing tool. Smoothing ensures a tight bond between the sealant and the joint edges. Remove any tape immediately before surface skin is formed. Smooth over any proud sealant edges immediately.

Cleaning

Fresh PATTEX NMN ULTIMATE 3in1 that has not yet set can be removed with spirit. The same applies to cleaning the tools. Cured material can only be removed mechanically with a suitable tool (e.g. with a knife).

NOTES ON APPLICATION / LIMITATIONS

Elastic sealants may only be painted over if the coating is able to follow the movements of the sealant, otherwise cracks in the surface of the coating can occur. In case of high movement joints coatings may cover the joint sides to max. 1 mm. Due to the large number of coatings, it is recommended to test the compatibility of a coating product before use, especially in case of alkyd resin paints. In case of powder coated substrates (e.g. powder coated aluminum window frames) an adhesion test is recommended before use.

Not suitable for joints with water pressure or permanent water immersion, e.g. in swimming pools.

Do not use PATTEX NMN ULTIMATE 3in1 as a glazing sealant.

Do not use on bituminous substrates or on building materials which might bleed oils, plasticizers or solvents which could attack the sealant.

Do not use PATTEX NMN ULTIMATE 3in1 to seal bathtubs or washbasins.

Color deviations may occur e. g. due to exposure to chemicals or high temperatures. However, a change in colour does usually not affect adversely the technical performance or the durability.

Product may only be used for mirror bonding if the mirror coating and the protective lacquer complies with EN 1036-1. In case of unknown mirror qualities please ask mirror producer for an approval.

TECHNICAL DATA

UNCURED PRODUCT

Chemical base	Flextec-Polymer (Moisture curing silane modified polymer (SMP) - cures by reaction with atmospheric humidity.)	
Odour	Alcohol	
Application temperature, °C	+5°C to +40°C (substrate and ambient)	
Consistency	paste	
Density, g/ml	~ 1.4	ISO 2811-1
Skin formation time, minutes	~ 25	23°C, 50% r.h.
Curing speed, mm/hours	~ 2/24	23°C, 50% r.h., bead 20x10mm
Initial tack, g/cm ³	~ 10	

CURED PRODUCT

Odour	Odourless	
Shore A hardness	~ 30	ISO 868
100% Modulus	~ 0.60	ISO 8339-A
Elongation at break, %	~ 250	ISO 8339-A
Elongation at break, %	~ 400	ISO 8339-B
Elastic recovery, %	~ 80	ISO 7389-B
Tensile strength, N/mm ²	~ 0.9	ISO 8339-A
Shrinkage, %	~ -3	ISO 10563
Movement capability, %	25	ISO 11600-F
Recommended joint width, mm	10-35	
Service temperature, °C	-40 to +80	

GENERAL INFORMATION

Surfaces

The substrates to seal or bond must be clean, free from oils, grease, dust and loose particles and should be dry. Standing water should be removed. Remove residues of old sealant/adhesive. Use acetone, spirit, isopropanol or special cleaners to remove residues of oils or grease. The product is suitable for many types of construction materials: concrete, brick, marble, tile, ceramics, fibre-concrete, galvanized steel, stainless steel, iron, copper, brass, painted metals, lacquered aluminium, anodized aluminium, wood, melamine, PVC etc. No adhesion to PE, PP, PTFE (Teflon®), PMMA (acrylic glass) and silicone. In cases of unknown materials or critical applications adhesions tests are recommended or contact our Technical Service.

Storage

12 months from date of production if stored in unopened original cartridges, in dry conditions and protected from direct sunlight at temperatures between +10°C and 25°C.

Chemical resistance

Resistant to water, seawater, diluted alkalis, diluted acids, cement grout and water diluted detergents. The product is not recommended for applications with permanent contact with chemicals. Poor resistance to aromatic solvents, organic acids, concentrated alkalis and concentrated acids, chlorinated hydrocarbons. In cases of other chemicals contact our Technical Service.

Packaging

Article abbreviation	Color	Container
PKBUL	white	Cartridge, 390 ml

HEALTH AND SAFETY

It is recommended to consult the current safety data sheet for precautions and safety advice before starting processing.

The safety data sheet is available at www.mysds.henkel.com.

Information for allergy sufferers on Tel. 0049 (0)211 797 0 (keyword emergency)



DISPOSAL

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.