



GENERALITIES

Reactive solid hot-melt adhesive based on hygro-reactive polyurethane with high setting speed after cooling. After polymerisation by reaction with moisture, the product present a high resistance to hot and cold but also to solvents and vapour. The final resistance is obtained a few days after bonding until the chemical reaction with moisture of the air and materials is completed. The product is characterized by high adhesiveness and yield value with a low consumption.

APPLICATIONS

Unipur 8311 is used for bonding of edges of PVC, ABS (with primer), HPL, wood, melamine-base materials. It permit to obtain a excellent adhesion also on low porosity materials. It is suggested for high speed edge bonding production lines. Proper test should be made to determinate if materials can be bonded with this adhesives or if you need special process like primer, etc.

CHARACTERISTICS

FORM	ivory / white	
VISCOSITY Brookfield at 140°C (284°F)	40000 - 60000	mPa·s
TEMPERATURE RESISTANCE	- 30 / +150 (-22 / 302)	°C (°F)
CURING TIME	2 - 3	days

FOR BEST RESULTS

TEMPERATURE FOR APPLICATION	110 - 160 (230-320)	°C (°F)
MATERIAL AND ROOM TEMPERATURE (suggested)	>15 (49)	°C (°F)
IDEAL OPERATING SPEED	15 - 40 (49-131)	m/min (feet/min)

GLUE APPLICATION

During breaks the temperature has to be reduced at about 100°C (212°F). The machine parts in contact with the product must be properly cleaned with special cleaners like PURMELT CLEANER. The material must be perfectly trimmed and without sawdust on the surface before bonding. The reticulated product may be softened with NMP (n-metilpirrolidone) and then mechanically removed. When opened the original package, product must be used within 2 days.

PACKAGING

2 kg (4.4 lbs) cartridges.
20 kg (44.08 lbs) drum.
200kg (440,8 lbs) drum.

STORAGE

Shelf life: 12 months at 20°C (68°F) in original closed packages.
To store the product at temperature higher than 35°C (95°F) may cause an alteration of it.

The information contained in this leaflet and the suggestions on how to use our products correspond to the current state of our scientific and practical knowledge. However, there aren't any warranty or liability on the final result of the carried out work using our products due to the variability of the materials and application conditions that go beyond our control. We therefore recommend to carry preliminary tests out also in relation to the subsequent applications foreseen for the product and the operating conditions of the finished product. This revision annuls and replaces any other previous ones.

Date: November 2022; version n° 03

FOR PROFESSIONAL USE ONLY- THIS TECHNICAL SHEET HAS NOT TO BE CONSIDERED AS A PRODUCT SPECIFICATION -



SCHEDA TECNICA - DATA SHEET

UNIPUR 8311NA

The industrial production and manufacturing sectors that include glue and the various phases of gluing are constantly evolving, as are the various types of materials used to create said products and their machinery application.

Unicol NA is continuously updating its products for the technical adaptations of its merchandise field.

Our expertise is based on meticulous laboratory testing and field applications. The technical specifications are regularly updated and available by contacting our technical service team.

The information provided in our technical data sheets cannot be considered declarations of guarantee and are purely for informational purposes.

Consumers must always carry out preliminary tests for each application of every individual product to verify they will have the intended results, as updates and subsequent modifications to our products are ongoing throughout production.

It is the user's responsibility to determine the suitability of our products for the user's purpose and to take any and all precautions necessary, recommended and implied, to protect the material and themselves from hazards during application of the product.

Unicol NA expressly disclaims any liability for incidental consequences or damages of any kind, including lost profits.

Bonding strength tests of the finished product should be carried out and evaluated by subjecting the material to the anticipated stresses and conditions to which it will be subjected in all foreseen and reasonably foreseeable uses.

The Unicol laboratory tests cannot simulate or cover all the production eventualities that may occur for each specific process or application, and therefore we cannot guarantee results in every specific application.

ALL THESE TESTS ARE NECESSARY AND MUST BE PERFORMED.

Extracted from Unicol North America's General Terms and Conditions:

10. LIMITED WARRANTY. *Subject to the provisions in these Terms, Unicol warrants that the Products will be free from any defects in workmanship and materials. The limited warranty set forth in this paragraph is provided until the expiry date of use of the Products, as indicated in each relevant Products technical data sheet (the "Shelf life"). Without being exhaustive, this warranty does not cover (i) damages caused to Products during or after delivery or resulting from normal wear and tear; (ii) unsuitable, improper or unauthorized use; (iii) abuse or accidents; (iv) faulty use or application by Buyer or third parties related to Buyer; or (v) modification or alteration of Products. Buyer agrees and acknowledges that Products may have marginal, technically unavoidable discrepancies in quality, color, touch, size, weight or design, which do not grant the Buyer any right to make a claim. If any failure to conform to this warranty occurs within the Warranty Period and the Full Purchase Price has been paid to Unicol, then upon detailed written notification and written substantiation by Buyer that the Products have been used in accordance with all instructions of Unicol (including but not limited to the relevant Products technical data sheet) and with standard industry practice, Unicol shall take the action described in this Section 10. If, upon receiving the aforementioned notification, Unicol concludes that the warranty claim is valid, Unicol's sole liability and obligation, and Buyer's sole and exclusive remedy, will be, at Unicol's choice, in its sole discretion and within a reasonable time, to replace such non-conforming Product, or to refund the invoice price paid of such non-conforming Product provided that, if Unicol so requests, Buyer shall, at its' expense, return such Product to Unicol. **THE WARRANTY PROVIDED BY UNICOL PURSUANT TO THIS SECTION 10 IS CONDITIONAL UPON RECEIPT BY BUYER OF A WRITTEN NOTICE OF THE ALLEGED NON-CONFORMITY NO LATER THAN 7 DAYS FROM THE DELIVERY OF THE PRODUCT OR FROM WHEN THE ALLEGED NON-CONFORMITY IS DISCOVERED.** Failure to make a claim within the aforementioned term, shall be deemed to constitute a satisfactory performance by Unicol and a waiver of all claims by Buyer. If Buyer makes a warranty claim that proves to be invalid, excluded, or outside the warranty coverage, then Buyer shall pay Unicol all of Unicol's expenses incurred in connection with the investigation of said invalid claim.*

11. EXCLUSIVE REMEDY; LIMITATION OF LIABILITY. THE REMEDY SET FORTH IN SECTION 10 IS THE SOLE AND EXCLUSIVE REMEDY OF BUYER AGAINST UNICOL, INCLUDING WITHOUT LIMITATION FOR ANY AND ALL ALLEGED DEFECTS OR NON-CONFORMITIES WITH THE PRODUCTS. *The warranty provided by Unicol pursuant to Section 10 extends to Buyer only, and does not extend to any resale customer of Buyer or end consumer. This warranty is not transferrable. **THE WARRANTY SET FORTH IN SECTION 10 IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER STATUTORY, EXPRESS, OR IMPLIED. EXCEPT AS SET FORTH IN SECTION 10, UNICOL MAKES NO EXPRESS OR IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY WARRANTIES ARISING FROM COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE OR OTHERWISE.** Any oral or written statements, advertising, technical advice, trials, samples, illustrations, and other descriptions or other information set forth in each Products technical data sheet or catalogues or similar documents are descriptions or approximations only, and do not constitute any warranties, or guarantees, implicitly or explicitly. Specifically, the colors of the Products could differ from samples, productions based on prior supplies, and/or images in the Products technical data sheets without the Buyer having the right to object or reserve the right to ask for the termination of the Agreement and/or the payment of compensation, indemnities, or a reduction in the purchase price. All information contained in Products technical data sheets is prepared according to Unicol's experience and laboratory tests, but does not in any way limit Buyer's obligations to carry out preliminary tests for each application of each Product in order to verify the intended use, for which Buyer is solely and exclusively responsible. Therefore, Buyer should not rely on Unicol to ensure that Products purchased will meet any standards or specifications. Unicol shall not be liable for any special, direct, indirect, incidental, punitive, or consequential damages of Buyer or of any third party (including, but not limited to, loss of use, profits, revenue, business, opportunity, or goodwill) that directly or indirectly arise from or relate to Products, regardless of whether such purported liability is based in contract law, tort law (including negligence, failure to warn, strict liability or otherwise), or any other legal theory. Under no circumstances shall Unicol's liability to Buyer exceed the total of the amounts paid to Unicol for the nonconforming Products.*

A complete version of the General Terms and Conditions is available by contacting Unicol North America