



RAPIDEX® NP 2075 LT

Type of Adhesive

RAPIDEX® NP 2075LT is a polyurethane based 100% solids reactive hot melt. It has the characteristics of a pressure sensitive adhesive initially, but optimal adhesion is achieved from 10 seconds to 2 minutes after application. This product has aggressive hot tack and cures in the presence of moisture to a tough, elastomeric film. It is used in the bonding of such materials as leather, wood, metal, glass, textiles, PUR foams, numerous membrane films and plastics such as PVC, ABC PC etc.

Product Benefits

- High initial strength
- High thermal stability
- Good flexibility after full cure
- Excellent resistance to grease, solvents, oils and plasticizers
- Excellent abrasion resistance
- Zero VOC

Typical Properties

Raw material base	Polyurethane Reactive
Colour	White / Beige
Density	ca. 1.02 g/cm ³
Viscosity (Spindle 27, 10RPM, 160°C)	ca. 8700cP
Viscosity (Spindle 27, 5RPM, 150°C)	ca. 16,000cP
Viscosity (Spindle 27, 5RPM, 135°C)	ca. 24,000cP
Viscosity (Spindle 27, 2.5RPM, 125°C)	ca. 34,000cP
Application temperature	130-150°C
Open time	Up to 180 sec, depending on application procedure, application thickness and substrate
Working temperature	Pre-melting temperature approx. 160 °C
Shelf Life	9 months in unopened pail and drum

Our Focus is Clear. Perfecting Adhesives.

IMPORTANT: Information, specifications, procedures and recommendations provided ("information") are based on our experience and we believe this to be accurate. No representation, guarantee or warranty is made as to the accuracy or completeness of the information or that use of the product will avoid losses or damages or give desired results. It is purchaser's sole responsibility to test and determine the suitability of any product for the intended use. Tests should be repeated if materials or conditions change in any way. No employee, distributor or agent has any right to change these facts and offer a guarantee of performance.

NOTE TO USER: by ordering/receiving product you accept the H.B. Fuller General Terms and Conditions of Sale applicable in the region. Please request a copy if you have not received these. These Terms and Conditions contain disclaimers of implied warranties (including but not limited to disclaiming warranties of fitness for a particular purpose) and limits of liability. All other terms are rejected. In any event, the total aggregate liability of H.B. Fuller for any claim or series of related claims however arising, in contract, tort (including negligence), breach of statutory duty, misrepresentation, strict liability or otherwise, is limited to replacement of affected products or refund of the purchase price for affected products. H.B. Fuller shall not be liable for loss of profit, loss of margin, loss of contract, loss of business, loss of goodwill or any indirect or consequential losses arising out of or in connection with product supply.

Nothing in any term shall operate to exclude or limit H.B. Fuller's liability for fraud, gross negligence or for death or personal injury caused by negligence or for breach of any mandatory implied terms.

Australia
Tel: +61 1800 423 855
customer.service@hbfuller.com
China & Hong Kong
Tel: +86 20 82068291
cs.china@hbfuller.com
Indonesia
Tel: +62-21-5307232/33

Korea
Tel: +82 2 786 8296
cskorea@hbfuller.com
Malaysia
Tel: +603 3345 5200
New Zealand
Tel: +64 800 555 072
customer.service@hbfuller.com

Philippines
Tel: +63 2 5194073
Taiwan
Tel: +886 2 26033385
Thailand
Tel: +66 2 3757442
Vietnam
Tel: +84 8 2225588





RAPIDEX® NP 2075 LT

Application Procedure /Type of Application	Drum and pail unloaders in combination with nozzle-, coating roller- and/or screen printing systems.
Cleaning Agent	Ipatherm Reiniger 13 for purging drum unloaders and HL9555 for cleaning roller coaters. Cured adhesives can only be removed mechanically.
Safety Advice	Please refer to the MSDS for safety advice.

WORKING INSTRUCTIONS

PRETREATMENT OF BONDING SURFACES

Bonding surfaces have to be clean, dry and free of grease and oil. Polyolefin materials have to be corona-pretreated or flame-treated. Surface energy should be >38 dyne to achieve maximum adhesion.

PREPARATION

Drum unloader, heating plate, conveyor pump and applicator gun can, as a rule, be set to different temperatures. Excessive heat may cause decomposition of the adhesive. Depending on the construction of the equipment, a temperature of up to 160°C is sufficient for the heating plate and the conveyor pump. Due to the short operation time, the application equipment may be run at temperatures of up to 160°C. For tank melters only protective gases with < 5ppm humidity should be used. Positive results have been achieved with dry nitrogen.

Please take care of that packages are used immediately after opening in order to prevent possible reactions with moisture

ADHESIVE APPLICATION

RAPIDEX® NP 2075 LT is applied with roller coater, slot coater or bead application and substrates compressed immediately.

SPECIAL ATTENTION

Final cure is achieved by reaction with ambient moisture or moisture from the substrate. Curing time depends on the access of humidity to the bonding seam, i.e. the humidity of the substrate, Substrate permeability, adhesive film thickness, relative air humidity and ambient temperature. Average curing time for bonding onto wooden materials at a temperature of 20°C and relative Humidity of 65% is up to 3-4 days. If large surfaces and/or impermeable materials are bonded under unfavorable climatic conditions, the curing time may be considerably longer.

Our Focus is Clear. Perfecting Adhesives.

IMPORTANT: Information, specifications, procedures and recommendations provided ("information") are based on our experience and we believe this to be accurate. No representation, guarantee or warranty is made as to the accuracy or completeness of the information or that use of the product will avoid losses or damages or give desired results. It is purchaser's sole responsibility to test and determine the suitability of any product for the intended use. Tests should be repeated if materials or conditions change in any way. No employee, distributor or agent has any right to change these facts and offer a guarantee of performance.

NOTE TO USER: by ordering/receiving product you accept the H.B. Fuller General Terms and Conditions of Sale applicable in the region. Please request a copy if you have not received these. These Terms and Conditions contain disclaimers of implied warranties (including but not limited to disclaiming warranties of fitness for a particular purpose) and limits of liability. All other terms are rejected. In any event, the total aggregate liability of H.B. Fuller for any claim or series of related claims however arising, in contract, tort (including negligence), breach of statutory duty, misrepresentation, strict liability or otherwise, is limited to replacement of affected products or refund of the purchase price for affected products. H.B. Fuller shall not be liable for loss of profit, loss of margin, loss of contract, loss of business, loss of goodwill or any indirect or consequential losses arising out of or in connection with product supply.

Nothing in any term shall operate to exclude or limit H.B. Fuller's liability for fraud, gross negligence or for death or personal injury caused by negligence or for breach of any mandatory implied terms.

Australia
Tel: +61 1800 423 855
customer.service@hbfuller.com
China & Hong Kong
Tel: +86 20 82068291
cs.china@hbfuller.com
Indonesia
Tel: +62-21-5307232/33

Korea
Tel: +82 2 786 8296
cskorea@hbfuller.com
Malaysia
Tel: +603 3345 5200
New Zealand
Tel: +64 800 555 072
customer.service@hbfuller.com

Philippines
Tel: +63 2 5194073
Taiwan
Tel: +886 2 26033385
Thailand
Tel: +66 2 3757442
Vietnam
Tel: +84 8 2225588

