

LOCTITE PR 3105 PURBOND

November 2018

PRODUCT DESCRIPTION

LOCTITE PR 3105 PURBOND provides the following product characteristics:

Technology	Wood surface enhancement
Product Type	Primer
Application	Engineered Wood
Basis	Surface-active polyol
Condition	Solvent-free, formaldehyde-free
Appearance	liquid, yellowish, transparent

Application Areas

LOCTITE PR 3105 PURBOND is a primer concentrate for preparing aqueous primer solutions. Prior to gluing with LOCTITE PURBOND and LOCTITE UR adhesives, the primer solution is applied to the wood surfaces to meet specific end use requirements.

The use of the primer LOCTITE PR 3105 PURBOND is permitted exclusively in conjunction with LOCTITE PURBOND and LOCTITE UR adhesives. Unless otherwise mentioned in this data sheet or the wood-specific application instructions, the information in the respective TDS of the adhesive used shall apply.

Product Properties

Concentrated solution

Technical Data

LOCTITE PR 3105 PURBOND:

Active Concentration, % 100

Typical Properties

Viscosity, Brookfield; 77°F (25°C), mPa.s 275 to 480

Density, lb/ft³ (kg/cm³) ~69 (~1.1)

DIRECTIONS OF USE

Preliminary Statement

Prior to application it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Application

Processing guideline for the pre-treatment of wood surfaces with primer LOCTITE PR 3105 PURBOND solution prior to gluing with LOCTITE PURBOND and LOCTITE UR adhesives.

Preparation

Prior to the application, the primer concentrate LOCTITE PR 3105 PURBOND is mixed with water to obtain a primer solution.

The concentration of the primer solution (weight percent) must be adjusted according to the wood-specific application instructions.

The wood surfaces to be treated must be clean and free of adhesive-repellent substances such as dust, oils, greases, or release agents.

Application method

The primer solution is sprayed onto each mating component immediately after planing. The amount of primer solution to be applied is indicated in the wood-specific application instructions.

The surfaces of the parts to be mated must be uniformly wetted. The spray pattern shall be checked regularly.

Basically, the recycling of filtered primer solution (for example of the overspray) is possible. The ratio of recycled concentrate shall not exceed 30%. Recycled primer solution is stored separately from fresh primer solution and the reduced shelf life must be respected.

The primer application system should be rinsed after every application to avoid clogging of the spray nozzles.

Penetration time

After the primer solution has been applied, a penetration time is required for the period indicated in the wood-specific application instructions.

Compatibility of materials

Not all synthetic materials as well as paint materials are resistant against primer solution. Sensitive components (such as sensor housings) need to be protected.

Protection and cleaning

Occupational safety

When working with LOCTITE PR 3105 PURBOND, best practice dictates that protective gloves and safety goggles are mandatory.

Equipment protection and cleaning

Tools and equipment are cleaned with water.

Disposal

The primer solution is biodegradable. In general, disposal of small quantities is accepted by most municipal waste water treatment facilities; however, please contact your local provider for their preferred method of disposal.

Quality Assurance

Henkel guarantees the consistently high quality of this product which is manufactured according to ISO 9001 and 14001; it has been tested and found suitable for the recommended applications under the conditions described herein.

However, material and processing parameters can significantly influence the properties of the product. For this reason, the processor must perform tests prior to actual applications.

For other applications or processing conditions, please contact your Henkel project manager.

Storage:

Optimum storage temperature: 15 to 25°C

Shelf life

Primer concentrate, months	24
Fresh primer solution	
- with demineralized water	30
(preferred), days	
- with tap water, days	10
Recycled primer solution, days	3

If the spray pattern is impaired or the delamination results do not fulfill the requirements, the shelf life of the recycled primer solution may be exceeded.

Classification:

Please refer to the corresponding **safety data sheets** for details on:

Hazardous Information**Transport Regulations****Safety Regulations****ADDITIONAL INFORMATION****Disclaimer****Note:**

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Reference 0.1