Technical Data Sheet

LOCTITE UR 5151

July 2020

PRODUCT DESCRIPTION

LOCTITE UR 5151 provides the following product characteristics:

Technology	Polyurethane
Product Type	Reactive prepolymer Hotmelt
Application	Engineered Wood
Cure	Moisture cure

Application Areas

- LOCTITE UR 5151 is a one component polyurethane reactive hot melt adhesive used for lamination of sandwich panel elements of wood, lauan, fiberboard, particleboard, plywood, FRP, EPS foam, PU foam and metals.
- General assembly bonding
- Multi layer parquet

Product Properties

- Excellent bond strength also with hardwoods
- Excellent moisture resistance
- Very high heat resistance
- Free of solvent

Technical Data

LOCTITE UR 5151:

Viscosity, Brookfield - RVT, 20 °C, mPa.s :

Spindle 27, speed 10 rpm ~5,000

Typical Properties

Assembly time, min	10
Curing Time to final strength, min	25
Consistence	Free flowing
Density, kg/m³	~ 1,125
Solids Content, %	100
Flammability:	Low
Chemical Resistance:	Resistant against acids, solvents and weak alkalis

DIRECTIONS OF USE

Preliminary Statement

Prior to application it is necessary to read the **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.

Preparation

Surfaces must be clean and free from adhesive-repellent substances such as oils, greases or release agents.

Application weight: 70 to 300 g/m²
depending on quality of wood and process equipment

Wood moisture content

The wood moisture content at the joint surfaces that are to be glued together must be not less than 8% and not more than 18%.

Curing time

The curing time of the adhesive is > 25 minutes at ~ 20°C with 65% relative air humidity and a wood moisture content of 12%.

Assembly time

The components to be glued must be assembled together and the press force applied immediately, but at the latest 10 minutes after the start of adhesive application (maximum assembly time for elements at 20°C with 65% relative air humidity and a wood moisture content of 12%).

Storage time after bonding

The bonded components must be stored at a temperature of approx. 20°C for at least 2 hours after the press time has elapsed.

CLEANING

For cleaning recommendation, please contact your local Henkel representative.

STORAGE

- Rotate stock, using oldest material first.
- Do not mix with other adhesives.
- Optimum storage temperature: °C
- When stored in a dry and cool place in the original unopened containers shelf life is as follows.

Shelf life

Shelf-life (in unopened original packaging), 12 months

Refer to expiry date on original packaging.

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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