

Building material classification A1 (non combustible)
in accordance with DIN 4102-1

General test certificate P-3104/2193-MPA BS

Product Description

ROKU® glue T-NV, T-MV and T-HV are low-viscous to high-viscous glues based on an aqueous sodium silicate solution with inorganic pigments. After hardening, the glues achieve extremely high thermal resistances up to +800 °C.



Application Areas

- Metals such as steel, aluminium and stainless steel sheets
- Gluing of mineral fibre, gypsum or fibre silicate slabs
- Mineral or rock wool
- As glue for surfaces in door and element construction
- Gypsum processing

Technical Data

	ROKU® Glue T-NV	ROKU® Glue T-MV	ROKU® Glue T-HV
Composition:	Glue on water glass basis		
Basis:	aqueous sodium silicate solution with inorganic pigments		
Material structure:	low-viscous (thin)	medium-viscous (semi-fluid)	high-viscous (thick)
Viscosity <i>as per Brookfield (07/200 min⁻¹) at +20 °C:</i>	approx. 2750 mPa·s	approx. 3000 mPa·s	approx. 25000 mPa·s
Colour <i>(hard-dry):</i>	approx. RAL 7039 Quartz grey	ca. RAL 8004 Copper brown	ca. RAL 8004 Copper brown
pH value <i>as per EN 1245:</i>	approx. 11.5	approx. 11.4	approx. 11.5
Applied quantity <i>depending on carrier material:</i>	approx. 150–300 g/m ²	approx. 150–300 g/m ²	approx. 150–300 g/m ²
Pressing power	0.2–0.4 N/mm ²	0.2–0.4 N/mm ²	0.2–0.4 N/mm ²
Open time <i>(at +20 °C, 50 % r. H. application quantity 150 µm glass):</i>	approx. 1.5 min	approx. 2 min	approx. 1.5 min
Heat resistance:	up to +800 °C	up to +800 °C	up to +800 °C
Start of reaction:	from approx. 160 °C	from approx. 160 °C	from approx. 160 °C
Processing temperatures <i>adhesive and substrates:</i>	from 8 °C to 30 °C	from 8 °C to 30 °C	from 8 °C to 30 °C

Instructions for use

- Acclimatise the product before application.
- Agitate the adhesive to get a homogeneous substance before processing.
- Clean and dry the surfaces of the workpieces to be bonded and remove any dust and grease.
- Ensure that one of the material substrates is absorbent. In case of metallic surfaces it will be enough to apply the adhesive on one side of the metal surface.
- Apply the adhesive homogeneously on one of the surfaces of the parts to be bonded using a toothed spatula. T-NV can also be applied with an adhesive application roll or a bead application unit.
- Fit the workpieces together within the open time.
- After they have been fit together, fix and press the parts must be fixed until functional strength has been reached. They can be pressed on under cold or hot condition.
- Remove oozing adhesive when it is fresh.



- Fresh adhesive can cause corrosion on blank metal surfaces if it can act there for a longer term. After curing, no cases of corrosion are known that can be attributed to cured adhesives.
- The here specified time parameters can only be determined accurately by self-tests because they are strongly influenced by material characteristics, temperature, applied quantity, air humidity, material humidity, thickness of adhesive film, press power and other criterions. Usually, appropriate safety factors should be considered for the guiding values.
- When storing ROKU® Glue T-HV in cartridges or bottles, a clear phase appears on the surface. Do not use it when applying the glue..

Supply Formats

ROKU® glue T-NV:	15 kg container
ROKU® glue T-MV:	upon request
ROKU® glue T-HV:	15 kg container

Processing and Storage

Store in a dry place at temperatures of +8 °C to +25 °C.

Storage life in unopened original packaging: 12 months

During transport the product may be exposed to temperatures from -30 °C to +35 °C.

Close opened containers air-tight and use as fast as possible!

Please observe the safety data sheet.

Note

The information in this brochure is based on our knowledge and experience to date. This information does not release the user from carrying out independent tests and trials due to the various influences when processing and applying our product. It is not possible to derive a guarantee of certain properties or suitability of the product in a concrete application case based on our information. All the descriptions, drawings, photographs, data, conditions, weights etc. included may change without previous announcement; they do not constitute the contractually agreed property of the product. The recipient of our product is responsible to observe any trademark rights and existing laws and regulations.