

TECHNICAL DATASHEET

# STALOC 4S54

Instant bonder, gel

## PRODUCT DESCRIPTION

- outstanding gap bridging
- does not run
- can be worked with overhead

STALOC 4S54 Gel is the perfect instant bonder when it comes to bonding porous materials. Its gel-like viscosity makes bridging of bigger gaps easy. Moreover, the product does not run off, thus perfectly suited for working overhead.

Can be used in many branches like wood processing, mechanical engineering, hydraulics, leather working and many more.

## PHYSICAL PROPERTIES (WHEN LIQUID)

Values refer to reaching finger tight adhesion / final cure after 24 h

ATTRIBUTE	UNIT	SPECIFICATION
colour		transparent / clear
density at +25°C	g/ml	1,069 g/ml DIN 51757
flashing point	°C	>80°C DIN 55213
chemical basis		ethyl cyanoacrylate
shelf life at +25°C		min. 1 year

## CURING TIMES

MATERIAL	UNIT	SPECIFICATION
ABS / ABS	sec	50 - 60 Sec.
wood / wood	sec	6 - 10 Sec.
ABS / stainless steel	sec	> 60 Sec.
NBR / NBR	sec	5 - 10 Sec.

## PHYSICAL PROPERTIES (WHEN CURED)

ATTRIBUTE	UNIT	SPECIFICATION
temperature resistance	°C	-55°C to +80°C
colour		off-white

## MECHANICAL RESISTANCE

ATTRIBUTE	UNIT	SPECIFICATION
tensile strength steel / steel	N/mm <sup>2</sup>	200 - 220 N/mm <sup>2</sup>
tensile strength SBR / SBR	N/mm <sup>2</sup>	5 - 10 N/mm <sup>2</sup>
tensile strength polycarbonate / polycarbonate	N/mm <sup>2</sup>	70 - 120 N/mm <sup>2</sup>
tensile strength stainless steel / stainless steel	N/mm <sup>2</sup>	200 - 220 N/mm <sup>2</sup>

## APPLICATION

Recommended application – further information can be found in the material safety data sheet

The parts to be bonded need to be cleaned and degreased. It is recommended to use STALOC technical cleaners, in order to ensure the best results in terms of adhesion. STALOC instant adhesives obtain excellent results even when used with minimum gaps.

Remove the residues of the glue with acetone-containing cleaners (e.g. STALOC Multi Power Cleaner) after pressing the parts together.



In case you need to accelerate the curing (e.g. when gaps are higher) use the STALOC activator for instant adhesives. For all materials with low surface tension which are difficult to bond (e.g. PE, PP, etc.) use the STALOC Primer for instant adhesives for surface preparation.

## STORAGE

Recommended storage for optimum shelf life

Store product at an optimum temperature between 5°C and 25°C. Keep cool and dry. Make sure that the content is not contaminated once the bottle has been opened, in order to ensure an optimum shelf life. In case you need any further information, please contact the STALOC team.

## SAFETY INFORMATION

Please send your request for the latest version of the material safety data sheet (MSDS).

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