

TECHNICAL DATASHEET

STALOC 4S80

Instant adhesive toughened, black

PRODUCT DESCRIPTION

Black cyanoacrylate with high impact and peel resistance, even under dynamic loading. especially for applications subject to thermal and mechanical cyclic stressing.

PHYSICAL PROPERTIES (WHEN LIQUID)

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

ATTRIBUTE	UNIT	SPECIFICATION
colour		black
viscosity at +25°C	mPas	200 – 400 mPas
density at +25°C	g/ml	1,06 g/ml DIN 51757
flashing point	°C	87°C DIN 55213
chemical basis		cyanoacrylate
shelf life at +25°C		1 year

CURING TIMES

MATERIAL	UNIT	SPECIFICATION
Aluminium / Aluminium	sec	25 - 45 sec
SBR / SBR	sec	10 - 15 sec
EPDM / EPDM	sec	< 60 sec

PHYSICAL PROPERTIES (WHEN CURED)

ATTRIBUTE	UNIT	SPECIFICATION
temperature resistance	°C	-55°C to +120°C
softening point	°C	165°C

MECHANICAL RESISTANCE

ATTRIBUTE	UNIT	SPECIFICATION
tensile strength Aluminium / Aluminium	N/mm ²	> 16 N/mm ² DIN EN 1465
hardness	Shore D	65 - 75 Shore D
elongation		> 8%

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).

The information and data in this document are for information purposes only. STALOC cannot take responsibility for the results obtained by a third party, whose methods are not under STALOC control. The determination of the suitability for the user's purpose of any STALOC product is the responsibility of the client. Consequently, STALOC recommends testing of the products before using it for a series application. Moreover, it is the responsibility of the customer to ensure a safe environment for the user. STALOC therefore disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of STALOC products. STALOC cannot be held liable for any consequential or incidental damage resulting from the use of a STALOC product, including lost profits or damages of any other kind. Products or processes mentioned herein might be subject to released or pending patents or licences.

Issued: 04.05.2012



call STALOC



www.staloc.com

