

Statement of Approval



Approval No. **WP 0940012 HH**

The material described below complies with the applicable requirements as given in the Rules and Regulations of Germanischer Lloyd. On this basis the material is

approved as **Elastomeric Adhesive**

for the construction of components provided that the recommendations for use as specified by the producer are observed.

Type	FIXSEAL+MSP190 Fast
Description	MS-Polymer
Producer	FIXTECH PO Box 568 Southport, Queensland, 4215 Australia
Normative Reference	Rules for Classification and Construction, II - Material and Welding Technology Part 2 Non-Metallic Materials

This document consists of this page and a one-page annex which is integral part of the approval.

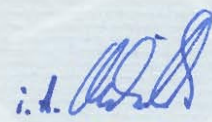
This Statement of Approval is valid until 2013-04-07.

Hamburg, 2009-04-08

Germanischer Lloyd



Sven Koller



Guido Michalek

Statement of Approval



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Type **FIXSEAL+MSP190 SLOW**

Description **MS-Polymer**

Producer **FIXTECH
PO Box 568
Southport, Queensland, 4215
Australia**

Normative Reference **Rules for Classification and Construction,
II - Material and Welding Technology
Part 2 Non-Metallic Materials**

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ANNEX

Approval No. WP 0940011 HH

Date: 2009-04-08

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Reference Documents Technical specifications deposited at Germanischer Lloyd Head Office.

Assessed Documents - Technical Data Sheet
- Test Report No. P 5035 issued by Polymer Institut Flörsheim-Wicker, dated 2008-02-18

Fields of Application Joining of components on condition that the adhesive material is compatible to the base materials and the applicable requirements of the Germanischer Lloyd are met.

Approved as class A adhesive for bonding of e.g. insulating glass, single-pane safety glass, rails for fastening seats and door frames.

Confirmed Values	Standard	Value
Shore A	DIN 53505	≥ 45
Fracture Strain at -20°C	DIN 53504	$\geq 50\%$
Tensile Strength at 60°C	DIN 53504	$\geq 1,5 \text{ MPa}$
Resistance to Tear Propagation	DIN 53515	$\geq 4 \text{ N/mm}$
Tensile Lap Shear Strength 23°C / 50% humidity	in acc. to DIN EN 1465	0,25 MPa
Tensile Lap Shear Strength 60°C	in acc. to DIN EN 1465	0,15 MPa
Creep Test after 90 days Conditioning	in acc. to DIN EN 1465 and DIN 50017	20%

Limitations Any significant changes in design and/or quality of the material will render the approval invalid.

End of Annex

Germanischer Lloyd

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