



KOMO[®] product certificate

semi-manufactured product

SKH

Nieuwe Kanaal 9F, 6709 PA Wageningen, the Netherlands
Postbus 159, 6700 AD Wageningen, the Netherlands
Telephone: +31 (0)317 45 34 25
E-mail: mail@skh.nl
Website: http://www.skh.nl

WEATHER SEALS FOR FAÇADE ELEMENTS

Number: 33388/20
Published: 01-11-2020
Replaces: 33388/20 (01-10-2020)

Producer

MACO Beschlage B.V.
Stikkenweg 60
7021 PB ZELHEM
THE NETHERLANDS
Tel. +31 (0)314 65 97 00
Fax +31 (0)314 62 36 49
E-mail: verkoop@maco.eu
Website: http://www.maco-nl.nl

SKH declaration

This product certificate has been issued by SKH on the basis of AD 0809 'Weather seals for faade elements' dd. 15-05-2014 in accordance with the SKH Regulations for Certification.

SKH declares that there is a legitimate confidence the weather seals manufactured by the producer continuously complies with the technical specification(s) laid down in this product certificate, provided that the weather seals have been marked with the KOMO[®]-mark depicted hereunder, in a way as indicated in this product certificate.

Users of this product certificate are advised to consult the SKH website whether this document is still valid.

For SKH

drs. H.J.O. van Doorn, director

This product certificate consists of 6 pages.

The Dutch version shall be consulted in case of doubt



The following have been assessed:
quality system;
Periodic control

KOMO[®] product certificate








Page 2 of 7
 Number: 33388/20
 Published: 01-11-2020

WEATHER SEALS FOR FAÇADE ELEMENTS

1 PRODUCT SPECIFICATIONS

The weather seals as mentioned in 1.1, comply with the requirements as mentioned in AD 0809


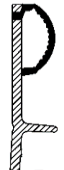






1.1 Technical specification

Seal	Classification code	Working range	Cross-cut
TC2001	I 2 4 2 3 3 I : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 2 : working range > 1 ≤ 2 mm 4 : compression force > 50 ≤ 100 Nm 2 : working temperature range -10 ≤ 55 °C 3 : deflection recovery > 50 ≤ 60 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 2,0	
TC2002	I 2 5 2 3 3 I : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 2 : working range > 1 ≤ 2 mm 5 : compression force > 100 ≤ 200 Nm 2 : working temperature range -10 ≤ 55 °C 3 : deflection recovery > 50 ≤ 60 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 2,0	
TC2003	I 3 4 2 3 3 I : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 3 : working range > 2 ≤ 4 mm 4 : compression force > 50 ≤ 100 Nm 2 : working temperature range -10 ≤ 55 °C 3 : deflection recovery > 50 ≤ 60 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 2,7	
TC2004	I 2 5 2 4 3 I : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 2 : working range > 1 ≤ 2 mm 5 : compression force > 100 ≤ 200 Nm 2 : working temperature range -10 ≤ 55 °C 4 : deflection recovery > 60 ≤ 70 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 2,0	
TC2005	I 2 3 2 4 3 I : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 2 : working range > 1 ≤ 2 mm 3 : compression force > 20 ≤ 50 Nm 2 : working temperature range -10 ≤ 55 °C 4 : deflection recovery > 60 ≤ 70 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 1,7	
TC2017	I 3 5 2 4 3 I : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 3 : working range > 2 ≤ 4 mm 5 : compression force > 100 ≤ 200 Nm 2 : working temperature range -10 ≤ 55 °C 4 : deflection recovery > 60 ≤ 70 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 2,7	
TC2018	I 3 5 2 4 3 I : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 3 : working range > 2 ≤ 4 mm 5 : compression force > 100 ≤ 200 Nm 2 : working temperature range -10 ≤ 55 °C 4 : deflection recovery > 60 ≤ 70 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 3,4	

KOMO[®] product certificate

Page 3 of 7
 Number: 33388/20
 Published: 01-11-2020


WEATHER SEALS FOR FAÇADE ELEMENTS

TC2028a	1 4 6 2 3 3 1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 4 : working range > 4 ≤ 6 mm 6 : compression force > 200 ≤ 500 Nm 2 : working temperature range -10 ≤ 55 °C 3 : deflection recovery > 50 ≤ 60 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 4,5	
Continuation technical specifications			
Seal	Classification code	Working range	Cross-cut
TC2029a	1 2 6 2 3 3 1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 2 : working range > 1 ≤ 2 mm 6 : compression force > 200 ≤ 500 Nm 2 : working temperature range -10 ≤ 55 °C 3 : deflection recovery > 50 ≤ 60 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 2,0	
TC2032a	1 3 4 2 4 3 1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 3 : working range > 2 ≤ 4 mm 4 : compression force > 50 ≤ 100 Nm 2 : working temperature range -10 ≤ 55 °C 4 : deflection recovery > 60 ≤ 70 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 3,0	
TC2037	1 3 6 2 5 3 1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 3 : working range > 2 ≤ 4 mm 6 : compression force > 200 ≤ 500 Nm 2 : working temperature range -10 ≤ 55 °C 5 : deflection recovery > 70 ≤ 80 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 4,0	
TC2049	1 3 5 2 5 3 1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 3 : working range > 2 ≤ 4 mm 5 : compression force > 100 ≤ 200 Nm 2 : working temperature range -10 ≤ 55 °C 5 : deflection recovery > 70 ≤ 80 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 3,4	
SC6001	1 3 5 4 6 6 1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 3 : working range > 2 ≤ 4 mm 5 : compression force > 100 ≤ 200 Nm 4 : working temperature range -25 ≤ 10 °C 6 : deflection recovery > 80 ≤ 90 % 6 : recovery after ageing > 80 ≤ 90 %	Wr = 3,6	
SC6003a	1 3 3 4 6 6 1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 3 : working range > 2 ≤ 4 mm 3 : compression force > 20 ≤ 50 Nm 4 : working temperature range -25 ≤ 10 °C 6 : deflection recovery > 80 ≤ 90 % 6 : recovery after ageing > 80 ≤ 90 %	Wr = 2,8	
SC6004a	1 3 3 4 6 6 1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 3 : working range > 2 ≤ 4 mm 3 : compression force > 20 ≤ 50 Nm 4 : working temperature range -25 ≤ 10 °C 6 : deflection recovery > 80 ≤ 90 % 6 : recovery after ageing > 80 ≤ 90 %	Wr = 2,4	

KOMO[®] product certificate

Page 4 of 7
Number: 33388/20
Published: 01-11-2020

WEATHER SEALS FOR FAÇADE ELEMENTS

SC6005a	I 3 3 4 6 6 I : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 3 : working range > 2 ≤ 4 mm 3 : compression force > 20 ≤ 50 Nm 4 : working temperature range -25 ≤ 10 °C 6 : deflection recovery > 80 ≤ 90 % 6 : recovery after ageing > 80 ≤ 90 %	Wr = 2,9	
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KOMO[®] product certificate

Page 5 of 7
 Number: 33388/20
 Published: 01-11-2020

WEATHER SEALS FOR FAÇADE ELEMENTS

Continuation technical specifications







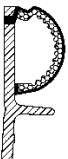
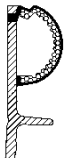
Seal	Classification code	Working range	Cross-cut
SC6008	1 3 5 4 6 6 1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 3 : working range > 2 ≤ 4 mm 5 : compression force > 100 ≤ 200 Nm 4 : working temperature range -25 ≤ 10 °C 6 : deflection recovery > 80 ≤ 90 % 6 : recovery after ageing > 80 ≤ 90 %	Wr = 3,0	
TE3001	1 2 4 2 4 3 1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 2 : working range > 1 ≤ 2 mm 4 : compression force > 50 ≤ 100 Nm 2 : working temperature range -10 ≤ 55 °C 4 : deflection recovery > 60 ≤ 70 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 2,0	
TE3002a	1 3 5 2 5 3 1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 3 : working range > 2 ≤ 4 mm 5 : compression force > 100 ≤ 200 Nm 2 : working temperature range -10 ≤ 55 °C 5 : deflection recovery > 70 ≤ 80 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 4,1	
TE3003b	1 3 4 2 4 3 1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 3 : working range > 2 ≤ 4 mm 4 : compression force > 50 ≤ 100 Nm 2 : working temperature range -10 ≤ 55 °C 4 : deflection recovery > 60 ≤ 70 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 2,9	
TE3004	1 3 4 2 4 3 1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 3 : working range > 2 ≤ 4 mm 4 : compression force > 50 ≤ 100 Nm 2 : working temperature range -10 ≤ 55 °C 4 : deflection recovery > 60 ≤ 70 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 3,0	
TE3005b	1 3 6 2 4 3 1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 3 : working range > 2 ≤ 4 mm 6 : compression force > 200 ≤ 500 Nm 2 : working temperature range -10 ≤ 55 °C 4 : deflection recovery > 60 ≤ 70 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 2,7	
TE3006	1 3 6 2 4 3 1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 3 : working range > 2 ≤ 4 mm 6 : compression force > 200 ≤ 500 Nm 2 : working temperature range -10 ≤ 55 °C 4 : deflection recovery > 60 ≤ 70 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 2,6	
TE3007	1 3 6 2 4 3 1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 3 : working range > 2 ≤ 4 mm 6 : compression force > 200 ≤ 500 Nm 2 : working temperature range -10 ≤ 55 °C 4 : deflection recovery > 60 ≤ 70 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 2,3	

KOMO[®] product certificate

Page 6 of 7
 Number: 33388/20
 Published: 01-11-2020

WEATHER SEALS FOR FAÇADE ELEMENTS

Continuation technical specifications



Seal	Classification code	Working range	Cross-cut
TE3008	<p>1 2 5 2 3 3</p> <p>1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809)</p> <p>2 : working range > 1 ≤ 2 mm</p> <p>5 : compression force > 100 ≤ 200 Nm</p> <p>2 : working temperature range -10 ≤ 55 °C</p> <p>3 : deflection recovery > 50 ≤ 60 %</p> <p>3 : recovery after ageing > 50 ≤ 60 %</p>	Wr = 2,0	
TE3009	<p>1 2 5 2 4 3</p> <p>1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809)</p> <p>2 : working range > 1 ≤ 2 mm</p> <p>5 : compression force > 100 ≤ 200 Nm</p> <p>2 : working temperature range -10 ≤ 55 °C</p> <p>4 : deflection recovery > 60 ≤ 70 %</p> <p>3 : recovery after ageing > 50 ≤ 60 %</p>	Wr = 2,0	
TE3010a	<p>1 3 5 2 4 3</p> <p>1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809)</p> <p>3 : working range > 2 ≤ 4 mm</p> <p>5 : compression force > 100 ≤ 200 Nm</p> <p>2 : working temperature range -10 ≤ 55 °C</p> <p>4 : deflection recovery > 60 ≤ 70 %</p> <p>3 : recovery after ageing > 50 ≤ 60 %</p>	Wr = 3,0	
TE3011b	<p>1 3 5 2 3 3</p> <p>1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809)</p> <p>3 : working range > 2 ≤ 4 mm</p> <p>5 : compression force > 100 ≤ 200 Nm</p> <p>2 : working temperature range -10 ≤ 55 °C</p> <p>3 : deflection recovery > 50 ≤ 60 %</p> <p>3 : recovery after ageing > 50 ≤ 60 %</p>	Wr = 2,5	
TE3013d	<p>1 3 6 2 4 3</p> <p>1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809)</p> <p>3 : working range > 2 ≤ 4 mm</p> <p>6 : compression force > 200 ≤ 500 Nm</p> <p>2 : working temperature range -10 ≤ 55 °C</p> <p>4 : deflection recovery > 60 ≤ 70 %</p> <p>3 : recovery after ageing > 50 ≤ 60 %</p>	Wr = 2,8	
TE3015a	<p>1 3 4 2 4 3</p> <p>1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809)</p> <p>3 : working range > 2 ≤ 4 mm</p> <p>4 : compression force > 50 ≤ 100 Nm</p> <p>2 : working temperature range -10 ≤ 55 °C</p> <p>4 : deflection recovery > 60 ≤ 70 %</p> <p>3 : recovery after ageing > 50 ≤ 60 %</p>	Wr = 3,0	
TE3017a	<p>1 3 5 2 4 3</p> <p>1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809)</p> <p>3 : working range > 2 ≤ 4 mm</p> <p>5 : compression force > 100 ≤ 200 Nm</p> <p>2 : working temperature range -10 ≤ 55 °C</p> <p>4 : deflection recovery > 60 ≤ 70 %</p> <p>3 : recovery after ageing > 50 ≤ 60 %</p>	Wr = 3,4	
TE3018a	<p>1 3 5 2 4 3</p> <p>1 : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809)</p> <p>3 : working range > 2 ≤ 4 mm</p> <p>5 : compression force > 100 ≤ 200 Nm</p> <p>2 : working temperature range -10 ≤ 55 °C</p> <p>4 : deflection recovery > 60 ≤ 70 %</p> <p>3 : recovery after ageing > 50 ≤ 60 %</p>	Wr = 3,0	

KOMO[®] product certificate

Page 7 of 7
Number: 33388/20
Published: 01-11-2020

WEATHER SEALS FOR FAÇADE ELEMENTS

Continuation technical specifications

Seal	Classification code	Working range	Cross-cut
EE5002	I 3 5 5 6 3 I : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 3 : working range > 2 ≤ 4 mm 5 : compression force > 100 ≤ 200 Nm 5 : working temperature range -40 ≤ 70 °C 6 : deflection recovery > 80 ≤ 90 % 3 : recovery after ageing > 50 ≤ 60 %	Wr = 3,7	
PC1001	I 2 4 1 1 2 I : Category of use: (Table 2 Par. 4.1 and 4.2 AD0809) 2 : working range > 1 ≤ 2 mm 4 : compression force > 50 ≤ 100 Nm 1 : working temperature range 0 ≤ 45 °C 1 : deflection recovery > 30 ≤ 40 % 2 : recovery after ageing > 40 ≤ 50 %	Wr = 1,1	

1.2 Marking

Products complying with the requirements of AD 0809 must be marked with the KOMO[®]-mark.

The packaging shall be marked with:

- KOMO[®]-mark;
- Certificate no **33388**;
- Classification code.



2 SUGGESTIONS FOR THE USER

2.1 On delivery of the weather seals check whether:

- the systems comply with the contract of sale;
- the identification and the manner of identification are correct;
- the products do not show any visible defects due to transport or similar causes.

If the products are rejected on the basis of the above, contact shall be made with: MACO Beslage B.V. and if needed with certification body SKH.

2.2 Product certificate

The producer must make sure the buyer has a copy of the complete product certificate at his disposal.

2.3 Application and use

Transport, storage and application will be done in accordance with the guidelines of the manufacturer.

2.4 Control of validity

Consult the SKH-website <http://www.skh.nl> to verify whether the product certificate is still valid.