

AEROSPACE MATERIAL SPECIFICATION

SAE AMS3100/1B

Issued 1986-07
Reaffirmed 2004-02
Cancelled 2008-12

Superseding AMS3100/1A

Adhesion Promoter
For Polysulfide Sealing Compounds
Nonhalogenated Solvent

RATIONALE

This slash sheet was incorporated into the basic specification AMS 3100B.

CANCELLATION NOTICE

This specification has been declared "CANCELLED" by the Aerospace Materials Division, SAE, as of December 2008 and has been superseded by AMS3100B. The requirements of the latest issue of AMS3100B shall be fulfilled whenever reference is made to the cancelled AMS3100/1A. By this action, this document will remain listed in the Numerical Section of the Index of Aerospace Material Specifications, noting that it has been superseded by AMS3100B.

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2008 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Tel: 724-776-4970 (outside USA)
Fax: 724-776-0790
Email: CustomerService@sae.org
SAE WEB ADDRESS: <http://www.sae.org>

**SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AMS3100/1B>**

 AEROSPACE MATERIAL SPECIFICATION		AMS 3100/1A							
	<table><tr><td>Issued</td><td>JUL 1986</td></tr><tr><td>Revised</td><td>AUG 1994</td></tr><tr><td>Reaffirmed</td><td>FEB 2004</td></tr><tr><td colspan="2">Superseding AMS 3100/1</td></tr></table>		Issued	JUL 1986	Revised	AUG 1994	Reaffirmed	FEB 2004	Superseding AMS 3100/1
Issued	JUL 1986								
Revised	AUG 1994								
Reaffirmed	FEB 2004								
Superseding AMS 3100/1									
Adhesion Promoter For Polysulfide Sealing Compounds Nonhalogenated Solvent									
1. SCOPE: 1.1 Form: This specification covers one type of adhesion promoter in the form of a liquid. 1.2 Application: See AMS 3100. 2. APPLICABLE DOCUMENTS: See AMS 3100. 3. TECHNICAL REQUIREMENTS: 3.1 Basic Specification: The complete requirements for procuring the adhesion promoter described herein shall consist of this document and the latest issue of the basic specification, AMS 3100. 3.2 Material: Shall be a dyed liquid containing no halogens in the solvent. 3.3 Properties: Adhesion promoter shall have the following properties, determined in accordance with test methods listed in AMS 3100. 3.3.1 Color: Adhesion promoter shall be tinted blue and shall impart a blue stain on the substrate when tested for color.									

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2004 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER:

Tel: 877-606-7323 (inside USA and Canada)

Tel: 724-776-4970 (outside USA)

Fax: 724-776-0790

Email: custsvc@sae.org

<http://www.sae.org>

SAE WEB ADDRESS:

AMS 3100/1A**SAE****AMS 3100/1A**

3.3.2 Peel Strength: Shall be as specified in Table 1.
(R)

3.3.2.1 Acceptance peel strength tests shall consist of either of the following, using as-received adhesion promoter only:

Test 1 - substrate 4.5.2.1.5 and Test 2 - substrates 4.5.2.1.4 and 4.5.2.1.5; or

Test 1 - substrate 4.5.2.1.3 and Test 2 - substrate 4.5.2.1.4

3.3.3 Storage Stability:

3.3.3.1 Long-Term Stability: Shall be as specified in Table 1, Tests 1 and 2, using substrates 4.5.2.1.3 and 4.5.2.1.5.

3.3.3.2 Short-Term Stability: Shall be as specified in Table 1, Tests 1 and 2, using substrates 4.5.2.1.3 and 4.5.2.1.5 after standing for 24 hours.

3.3.4 Aging After Application: Shall be as specified in Table 1, Tests 1 and 2, using substrates 4.5.2.1.3 and 4.5.2.1.5.

3.3.5 Composition Control: Infrared spectrogram shall agree with that obtained on the preproduction (qualification) sample. Any variance of composition greater than $\pm 5\%$ from the originally approved sample is not acceptable.

3.3.6 Solvent Identification: Solvent shall not contain halogenated compounds.

4. QUALITY ASSURANCE PROVISIONS:

See AMS 3100.

5. PREPARATION FOR DELIVERY:

See AMS 3100.

6. ACKNOWLEDGMENT:

See AMS 3100.

7. REJECTIONS:

See AMS 3100.

8. NOTES:

See AMS 3100.