

1993 ED.

BBKO

AS 1230—1978  
UDC 001.4:621.798.264:668.3

# Australian Standard 1230—1978

---

## GLOSSARY OF TERMS FOR PRESSURE SENSITIVE ADHESIVE TAPES

STANDARDS ASSOCIATION  
OF AUSTRALIA

2 - MAR 1978

MELBOURNE LIBRARY

AS 1230—1993  
Pressure-sensitive adhesive tape—  
Glossary of terms *app D*  
Defines both terms used in Australian  
Standards for tapes, and terms commonly  
used in reference to the construction and  
use of tapes.  
*Committee FK/10: Supersedes AS 1230—1978: Draft  
for Comment DR 88140: Publication date 1993-12-20:  
ISBN 0 7262 9481 5.*



**STANDARDS ASSOCIATION OF AUSTRALIA**  
*Incorporated by Royal Charter*

THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Army Design Establishment  
Associated Chambers of Manufactures of Australia  
Australian Council of Retailers  
Department of Defence  
Government Stores Department, N.S.W.  
Marine Underwriters  
Materials Research Laboratories  
National Packaging Association of Australia  
Royal Melbourne Institute of Technology  
State Electricity Commission of Victoria  
Telecom Australia  
University of N.S.W.  
Victorian Railways

---

This standard, prepared by Committee MS/1, Pressure Sensitive Adhesive Tapes, was approved on behalf of the Council of the Standards Association of Australia on 12 January 1978, and was published on 1 May 1978.

In order to keep abreast of progress in industry, Australian standards are regularly reviewed. Suggestions for improvements to published standards, addressed to the head office of the Association, Sydney, are welcomed.

---

*This standard was issued in draft form for public review as DR 77021.*

**AUSTRALIAN STANDARD**

**GLOSSARY OF TERMS FOR  
PRESSURE SENSITIVE  
ADHESIVE TAPES**

**AS 1230—1978**

<p><b>First published (as AS Z16) ..... 1961</b> <b>Revised and issued as AS 1230 ..... 1978</b></p>
--

**PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA  
STANDARDS HOUSE, 80 ARTHUR ST, NORTH SYDNEY, N.S.W.**

**ISBN 0 7262 1405 1**

## PREFACE

This standard was prepared by the Association's Committee on Pressure Sensitive Adhesive Tapes as a revision of AS Z16—1961, which it accordingly supersedes. The standard is one of a series dealing with adhesive tapes, the others in the series being as follows:

- AS 1599 Pressure Sensitive Adhesive Packaging Tapes
- AS 1602 Pressure Sensitive Adhesive Filmic Tapes
- AS 1621 Pressure Sensitive Adhesive Electrical Tapes
- AS 1635 Methods of Test for Pressure Sensitive Adhesive Tapes
- AS 2058 Pressure Sensitive Adhesive Double-faced Tapes
- AS 2059 Pressure Sensitive Adhesive Edge-Binding Tapes
- AS 2060 Pressure Sensitive Adhesive Masking Tapes

This standard is intended to complement the other standards in the series, by defining terms peculiar to and commonly used in relation to the construction and use of pressure sensitive adhesive tapes.

In general, the terms defined herein relate to characteristics and forms of construction of tapes. The standard does not include terms and definitions applying to material used for tapes or referring to the actual manufacturing processes. The definitions are accompanied by diagrams where these are considered necessary to clarify the definitions.

In the preparation of this standard reference was made to the glossary of terms appearing in 'Test Methods for Pressure Sensitive Tapes', 7th Edition, 1976, issued by the Pressure Sensitive Tape Council, 1201 Waukegan Rd, Glenview, Illinois 60025, U.S.A.

©Copyright — STANDARDS ASSOCIATION OF AUSTRALIA 1978

Users of standards are reminded that copyright subsists in all SAA publications. No part of this publication may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing of the Standards Association of Australia.

## STANDARDS ASSOCIATION OF AUSTRALIA

## Australian Standard

GLOSSARY OF TERMS FOR  
PRESSURE SENSITIVE ADHESIVE TAPES

Term	Explanation
adhesion	The bond produced by the contact of a pressure sensitive adhesive to a surface on which it is applied. Types of adhesion are: peel adhesion, adhesion to backing, unwind adhesion, shear adhesion, and quickstick ( <i>see also these terms</i> ).
adhesion to backing	The force required to remove a tape (in the same manner as peel adhesion) from its own backing, to which it has been re-applied with a definite pressure after removal from the roll.
adhesive (pressure sensitive)	The substance which in dry form is aggressively and permanently tacky at room temperatures and adheres to a variety of dissimilar surfaces upon brief application or no more than finger or hand pressure.
adhesive residue	Adhesive that is pulled away from the tape and remains on the surface to which the tape was applied.
adhesive transfer	The total or partial transfer to adhesive from the tape backing to the underlayer or to any other surface.
ageing	(a) <i>Natural ageing</i> . (i) <i>Application ageing</i> . The change in characteristics of a tape which occurs after application to a surface when exposed to conditions normally encountered. (ii) <i>Roll ageing</i> . The change in characteristics of a tape which occurs during storage in roll form. (b) <i>Artificial accelerated ageing</i> . The change in characteristics of a tape, either in strip or roll form, which occurs under artificial conditions which simulate the principal effects of extended natural ageing.
backing	The flexible supporting film, fabric, foil, or paper, to which a pressure sensitive adhesive is applied.
backsize	A coating applied to the outside surface of the backing to facilitate unwind and/or to protect the tape against weather, solvents, etc ( <i>see also</i> release coat).
backsize pick-off	The total or partial removal of backsize by the adhesive.
bleaching	A reduction of colour intensity of a surface caused by the application of tape to that surface.
bleeding	Penetration through the tape of a liquid (paint, solvent, etc) onto the surface to which the tape is applied.
breaking strength	The force required to break a piece of tape by pulling on opposite ends of the piece, usually expressed in force per unit width.