



UL 972

STANDARD FOR SAFETY

Burglary Resisting Glazing Material

ULNORM.COM : Click to view the full PDF of UL 972 2020

[ULNORM.COM](https://www.ulnorm.com) : Click to view the full PDF of UL 972 2020

UL Standard for Safety for Burglary Resisting Glazing Material, UL 972

Sixth Edition, Dated November 27, 2006

Summary of Topics

This revision of ANSI/UL 972 dated November 20, 2020 is being issued to update the title page to reflect the most recent designation as a Reaffirmed American National Standard (ANS). No technical changes have been made.

Text that has been changed in any manner or impacted by UL's electronic publishing system is marked with a vertical line in the margin.

The requirements are substantially in accordance with Proposal(s) on this subject dated September 4, 2020.

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

UL provides this Standard "as is" without warranty of any kind, either expressed or implied, including but not limited to, the implied warranties of merchantability or fitness for any purpose.

In no event will UL be liable for any special, incidental, consequential, indirect or similar damages, including loss of profits, lost savings, loss of data, or any other damages arising out of the use of or the inability to use this Standard, even if UL or an authorized UL representative has been advised of the possibility of such damage. In no event shall UL's liability for any damage ever exceed the price paid for this Standard, regardless of the form of the claim.

Users of the electronic versions of UL's Standards for Safety agree to defend, indemnify, and hold UL harmless from and against any loss, expense, liability, damage, claim, or judgment (including reasonable attorney's fees) resulting from any error or deviation introduced while purchaser is storing an electronic Standard on the purchaser's computer system.

No Text on This Page

[ULNORM.COM](https://ulnorm.com) : Click to view the full PDF of UL 972 2020

NOVEMBER 27, 2006
(Title Page Reprinted: November 20, 2020)



ANSI/UL 972-2006 (R2020)

1

UL 972

Standard for Burglary Resisting Glazing Material

First Edition – June, 1972
Second Edition – March, 1978
Third Edition – June, 1984
Fourth Edition – March, 1995
Fifth Edition – December, 2002

Sixth Edition

November 27, 2006

This ANSI/UL Standard for Safety consists of the Sixth Edition including revisions through November 20, 2020.

The most recent designation of ANSI/UL 972 as a Reaffirmed American National Standard (ANS) occurred on November 20, 2020. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <https://csds.ul.com>.

UL's Standards for Safety are copyrighted by UL. Neither a printed nor electronic copy of a Standard should be altered in any way. All of UL's Standards and all copyrights, ownerships, and rights regarding those Standards shall remain the sole and exclusive property of UL.

COPYRIGHT © 2020 UNDERWRITERS LABORATORIES INC.

No Text on This Page

ULNORM.COM : Click to view the full PDF of UL 972 2020

CONTENTS**INTRODUCTION**

1	Scope	5
2	Units of Measurement	5

CONSTRUCTION

3	General	5
---	---------------	---

PERFORMANCE

4	General	5
5	Sample Conditioning	5
5.1	General	5
5.2	Thermal conditioning tests for outdoor use	5
5.3	Thermal conditioning tests for indoor use	5
6	Impact Tests	6
6.1	General	6
6.2	Ball impact test	7
6.3	Outdoor use impact test	7
6.4	Indoor use impact test	7
6.5	High-energy impact test	7

MARKINGS

7	General	7
---	---------------	---

ULNORM.COM : Click to view the full PDF of UL 972 2020

No Text on This Page

ULNORM.COM : Click to view the full PDF of UL 972 2020

INTRODUCTION

1 Scope

1.1 These requirements cover clear, translucent, or opaque glazing material intended for indoor and outdoor use principally as a substitute for plate glass show windows or show case panels.

1.2 The material is intended to resist burglarious attacks of the "hit and run" type.

1.3 These requirements do not cover the glazing (mounting) methods used for the installation of burglary resisting glazing material.

2 Units of Measurement

2.1 Values stated without parentheses are the requirement. Values in parentheses are explanatory or approximate information.

CONSTRUCTION

3 General

3.1 There shall be no defects or visible imperfections in the finished product that may impair its serviceability.

PERFORMANCE

4 General

4.1 Representative samples of each construction of glazing material are to be subjected to the following tests.

4.2 Samples of each construction, each measuring 24 by 24 inches (610 by 610 mm), are to be used.

5 Sample Conditioning

5.1 General

5.1.1 For the thermal conditioning procedures, all samples are to be conditioned at the specified temperatures for at least 4 hours prior to the applicable impact test.

5.2 Thermal conditioning tests for outdoor use

5.2.1 Three samples of the material are to be conditioned at a temperature of 120°F (49°C).

5.2.2 Three additional samples are to be conditioned at a temperature of 14°F (minus 10°C).

5.3 Thermal conditioning tests for indoor use

5.3.1 Three samples of the material are to be conditioned at a temperature of 95°F (35°C).

5.3.2 Three additional samples are to be conditioned at a temperature of 55°F (13°C).