

Test Reports by SABS on Klingshield Window Films for Distortion, Impact and Scratch Resistance



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Your reference
Our reference
Enquiries
Extension

17/10/51
D A van As

Date

SABS South African Bureau of Standards

Klingshield SA (Pty) Ltd
P O Box 64095
HIGHLANDS NORTH
2037

**IMPACT
TEST**

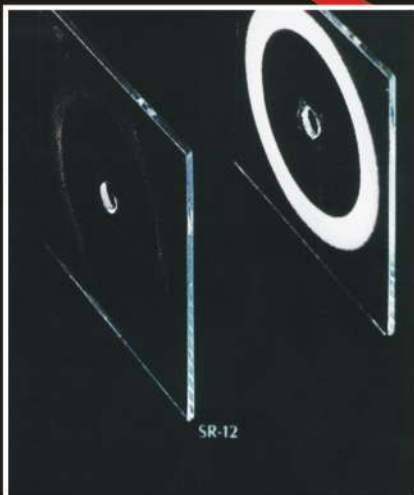
NO. 0611/8684/78 on SAFETY GLAZING MATERIAL

4.

REMARKS

After fracture of the treated panes the glass fragments remained attached to the plastics film in all cases. In the number of cases where impact testing was continued after initial fracture of the glass the pane eventually started pulling out of the frame and the testing had to be discontinued, but apart from a few small splinters of glass no large fragments became dislodged from the film and the film itself remained intact.

One photograph each of the untreated and treated panes after impact are included to illustrate the typical pattern of fracture.



On left abrasion test with Klingshield film only showing scratches after 100 cycles to be 2.79%
On right ordinary film after 100 cycles showing 90% scratching



Klingshield personnel in discussion with SABS member



Report no. 0611/8684/78
Treated glass pane after impact glass fragments adhere to the plastic film holding the glass in place

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DISTORTION & ABRASION TEST

REPORT
VERSLAG

611/83464/89B

2.3 Distortion of vision was determined in accordance with the relevant requirements of SABS 1191-1978.

3.4 Distortion of vision	No distortion.
3.5 Resistance to abrasion, light scatter resulting from abrasion, haze, %	1,68
After 50 cycles	2,79
After 100 cycles	

SABS orders Klingshield Films for their own use

SABS

PURCHASE ORDER

Requor. : 15636 LINDHOUT MJE
Business Unit : 7530 SABS Accommodation
Order No. : 00007578 QC

KLINGSHIELD SA (PTY) LTD
PO Box 64095
HIGHLANDS NORTH
2037

ORDER NO. : 8509 ON
P/O DATE : 02-02-20
Terms : Net 30 Days

SHIP TO NAME : BATHEKGI TRAINING & CORPORATE Services
ADDRESS :

ATTENTION:

Item No	Item Description	UM Delivery	Qty	Unit Cost	Amount
	Klingshield window film A5 floor	EA 02-02-20	1	1500,000000	1.500,00

Full test reports available on request
www.klingshield.co.za | Call: 011 640-5053