



GRAMM BARRIER SYSTEMS LTD
ENVIRONMENTAL AND SECURITY BARRIER SPECIALIST

Clearview 0000, As 017 and now 0X03

PERSPEX® Acrylic Sheet for Acoustic Screening



PERSPEX® Clearview is a family of PERSPEX® sheet grades especially developed to meet the performance requirements of acoustic barriers.

After a number of successful years with the cast products PERSPEX® Clearview AS017 and Clearview 0000, the range of high optical quality resistant and aesthetically pleasing products has now been further extended.

PERSPEX® EX 0X03 is the new member of ICI Acrylics' Clearview family of PERSPEX® products for acoustic screening.

All the PERSPEX® Clearview grades meet (the relevant parts of) ISO 7823 and also the national standards ZTV-Lsw 88* (Germany) and NF 31089 (France).

* Test certificates available on request.

In addition PERSPEX® Clearview offers:

- High visibility for improved safety.
- Good noise insulation.
- Excellent durability (10 year guarantee).
- Quick and easy installation.
- Compatibility with other noise barrier systems.
- Tint and surface textures/decoration.
- Possibility of higher barriers.

With the introduction of PERSPEX® Clearview XT 0X03 the further advantages include:

- Lengths up to 5 or more metres.
- Tighter sheet thickness tolerance typically $\leq 5\%$.
- Complete recyclability.
- Better sheet utilisation – due to continuous production process.



Clearview for Acoustic Screens

PERSPEX® Clearview is a well proven material for use alongside motorways and highways as well as airports and railways, indeed wherever noise levels need to be contained. Where some relief from continuous solid barriers is required, this can be readily achieved by the incorporation of PERSPEX® Clearview panels.

Following the success with PERSPEX® Clearview AS017 and 0000 cast sheet, ICI Acrylics is now pleased to announce the launch of PERSPEX® Clearview XT 0X03 extruded sheet. In addition to matching the cast product in terms of optical and weathering performance, PERSPEX® Clearview XT now allows the designer much greater freedom in terms of panel sizes and lengths.

Typical physical properties of PERSPEX® CLEARVIEW Acrylic sheet

PROPERTY	TEST METHOD	UNITS	0000 (1) (CAST)	017 AS (2) (CAST)	0X03 (3) (EXTRUDED)
Tensile strength	ISO 527 : 1993	MPa	80	74	70
Tensile modulus	ISO 527 : 1993	MPa	3290	3410	>3100
Flexural strength	ISO 178 : 1975	MPa	118	105	107
Flexural modulus	ISO 178 : 1975	MPa	3260	3170	3030
Charpy impact Strength	ISO 179/IOU : 1993	kJ.m ⁻²	18	17	12
Coefficient of thermal expansion	DIN 53752 : 1980 (0-35°C)	K ⁻¹	6.3 x 10 ⁻⁵	7.3 x 10 ⁻⁵	7.8 x 10 ⁻⁵
Density	ISO 1183 : 1987	g.cm ⁻³	1.19	1.21	1.18
Light transmission	ASTM D 1003 : 1992 Illuminant C	%	92	92	92
Vicat softening point (full)	ISO 306 Method B	°C	122.0	98.0	>100

(1) Complies with NF 31089 and the relevant parts of ISO 7823 Part 1.

(2) Complies with the relevant parts of the above and also certified to ZTV - Lsw 88.

(3) Complies with the relevant parts of ISO 7823 Part 2 and also certified to ZTV - Lsw 88.

Full technical information on PERSPEX® Clearview as well as advice on the use of PERSPEX® Clearview in acoustic screening are available from your nearest ICI Acrylics Sales Office

The ICI roundel and PERSPEX® are Trade Marks of ICI.



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