

Laminated Glass News

KRÖLLER-MÜLLER MUSEUM IN HOLLAND:
SKYLIGHTS OF BUTACITE® SOFT WHITE™ AND
SENTRYGLAS® PLUS



A series of 44 inner skylights made of laminated glass with DuPont™ Butacite® Soft White™ interlayer cast attractive light into the museum's 28 galleries.

The Van de Velde wing of the Kröller-Müller Museum in Otterlo, Holland, is famous for its collection of Van Gogh paintings

Quist Wintermans Architekten of Rotterdam recently completed the renovation of the Van de Velde wing of the Kröller-Müller Museum in Otterlo, Holland, famous for its collection of Van Gogh paintings. Key goals of the renovation, completed in April 2006, were to make the building safer and to improve the quality of light thrown down into the galleries. DGMR Engineers of Arnhem, Holland worked with the architects to specify a series of 44 inner skylights made of laminated glass with DuPont™ Soft White™ Butacite® interlayer for the museum's 28 galleries. These skylights combine with an outer skylight of laminated safety glass with DuPont™ SentryGlas® Plus structural interlayer (designed to provide security and thermal insulation), built into the outer, copper roof of the museum, to give the precise quality of soft light architects wanted inside the galleries.

Photo © Cary Markerink, Amsterdam



The miracles of science™

ART MUSEUM SKYLIGHTS MADE WITH DUPONT™ INTERLAYERS

DGMR's Johan Koudijs said: Our primary concerns for the roof skylight were thermal insulation and security. Although we had originally considered using PVB, SentryGlas® Plus is a much stiffer interlayer. The museum is of course equipped with 'active' security measures such as alarms and guards. However, the roof skylight's laminated glass provides an invaluable 'passive' security device, essential to protect the museum's priceless collection of Van Gogh paintings.

"The glass supplier, Westland-Glaverbel of Maasland, near Rotterdam, recommended SentryGlas® Plus for the outer skylight because this interlayer is clear and transparent; therefore the light thrown down through this roof skylight to the ceiling skylights using Soft White™ Butacite® PVB would be absolutely neutral in color. As the museum is located in a forest, the quest to light the galleries appropriately was particularly challenging. The overall result is a beautiful, translucent, soft light that permeates the galleries and meets the architects' specifications to their entire satisfaction. The Van Gogh paintings are thus now displayed in the exact tone of light that the architects and museum owners required.

"During extensive mock-up testing of the laminated glass skylight with SentryGlas® Plus, our readings showed total blockage of UV rays due to the interlayer. Combined with the second set of ceiling skylights with Soft White™ Butacite® PVB interlayer this means that the Van Gogh paintings themselves are absolutely protected from potentially-damaging UV rays."



At the Kröller-Müller Museum in Holland, neutral white light is provided from ceiling skylights made with DuPont™ Butacite® Soft White™ PVB. Rooftop skylights are made with SentryGlas® Plus, for clear, natural light transmission.

Americas

DuPont Company, BMP26-2363
Lancaster Pike & Route 141
Wilmington, DE 19805 U.S.A.
Telephone +1 302 774 1161
Toll-free (USA) 800 448 9835
Fax +1 302 999 4399

DuPont do Brasil, S.A.
Alameda Itapecuru, 506
06454-080 Barueri, SP Brasil
Telephone +55 11 4166 8122
Fax +55 11 4166 8720

Asia Pacific

DuPont China Holding Co, Ltd.
5th Floor, Shui on Plaza
333 Huai Hai Road (Central)
Shanghai 200021, China
Telephone +86 21 6386 6366
Fax +86-21-6386-6333

Europe / Middle East / Africa

DuPont de Nemours Int'l. S.A.
2, Chemin du Pavillon Box 50
CH-1218 Le Grand Saconnex
Geneva, Switzerland
Telephone +41 22 717 51 11
Fax +41 22 717 55 00

www.dupont.com/safetyglass



The miracles of science™