

KoolShade micro-louvre light diffusion tests - white KoolShade

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your reference
 our reference BRE 9A/472/1
 date 14 April 1989

Dear Mr Cooper

LIGHT TRANSMISSION OF KOOLSHADE SCREEN

As instructed, we have carried out diffuse light transmission tests on the white Koolshade screen you supplied. Transmission factors were measured using an integrating box mounted inside the BRE Artificial Sky. The results are as follows:

Louvres run horizontally, apertures pointing downwards
 $\tau = 38.5\%$

Louvres run horizontally, apertures pointing upwards
 $\tau = 41.5\%$

Louvres run along slope, apertures pointing left or right
 $\tau = 39.5\%$

The measurements are accurate to $\pm 1\%$. Please note that the transmission factors are only valid for screens mounted at a slope of 30° to the horizontal, and they do not include any correction for soiling of the louvres during use.

Yours sincerely

Paul Littlefair

Dr Paul Littlefair

BRE is part of the Department of Environment. The Establishment also includes the Fire Research Station at Borehamwood, Hertfordshire and the BRE Scottish Laboratory at East Kilbride.