



Technical Data Sheet

NaturalSpan Glass Technical

The Naturalspan is rugged yet lightweight design, which out performs virtually all other traditional roof glazing systems.

Advantages over other systems include

Made to measure units

Rapid installation

Health & Safety friendly

Rapid Delivery from order

Thermally efficient Design

Impact resistance

Pilkington DGU'S or Single Skin
Toughened and
or Laminated Safety Glass

Versatility for Varied
roof/Canopy/walkway projects

Environmentally Friendly
(all components recyclable)

Each Naturalspan glazing is designed to suit specific requirements, therefore almost no on site modifications are required.

The Naturalspan glazing system was developed by NaturalLights own design team that called on their own experience in the industry and the very best of other systems to create a versatile, highly effective system, that can be priced competitively without compromising quality.

System Reference : Naturalspan Structural Glass Units NLS 280G

Description : Flat glass units can be manufactured to various lengths and widths they can be adapted to meet the needs of individual projects. Pyramids, ridgetlights, and both mono and duo pitch options available.

Glazing : Naturalspan units can be glazed in either single skin or double glazed units, toughened and laminated glass is always used to comply with health and safety.

Frames : Factory assembled glazing frames are made up for easy installation.

Design : NLS can manufacture to specific design drawings of individual projects or adapt the

design to various on site conditions. Please consult our technical department for assistance or advise on your individual project needs.

Finish : Mill finish or polyester powder coated to BS 6496 (all standard RAL colours are available, please check when ordering).

Building regulations : (1991) class O -Tp(a)
Extruded Aluminium BS 1474

Performance :

Light Transmission :

Clear 6mm - 89%

Bronze 6mm - 45%

clear/clear 24mm DGU'S 80%

K glass 74%

Clear/bronze 24mm DGU'S 44%

K glass 41%

U Value

6mm clear/bronze 5.7W/m²K

clear/clear 24mm DGU'S 2.9W/m²K

Clear/bronze 24mm DGU'S W/m²K

K glass 1.9W/m²K

Fire :BS 476 part 7 - class 1Y

Protective Packaging : Each unit will be despatched with a protective wrapping in addition to the surface protection already applied to the glazing. The protective wrapping should be removed either before or directly after site installation.

Storage : Naturalspan unit should be stored in a clear, dry and dust free environment away from potential risk of damage. The units should not be laid flat or positioned in a location susceptible to direct sunlight. If stored outside, protect the units with non-light transmitting substance.

Polyester Powder Coating.

All kerbs and glazing bars are supplied in a white matt finish to BS 6496. Other RAL colours are available upon request.

NaturalSpan glazing bars are designed to the following design criteria.

BS 5516 1991 Design and Installation of Patent Glazing.

BS 8118 pt 1 1991 Structural use of aluminium.

BS 6399 pt 2 1997 Wind loads.

BS5368 pt 1-4 1994 Method of Testing windows.

