



# Shadotex

Membrane Solar Shading System



# Introduction

## INTRODUCTION

The Colt Shadotex system is a unique, alternative solar shading solution.

The Shadotex system consists of a special fabric stretched between two sides of a louvre support frame. The fabric is manufactured with a weave to prevent solar glare and solar heat gain. The fabric can also create attractive diffused light and can allow high external vision.

The Shadotex system is given it's strength by coating the fabric in a special resin which dries hard.

Voba Goch, Germany



This type of system is extremely lightweight which allows large spans to be constructed without the need for additional supporting framework.

This system offers building designers a unique solution to external solar shading systems.

Baader Bank, Germany



## FEATURES & BENEFITS

Modern & Unique Design

Optional Fabric Choice

High Solar Absorption

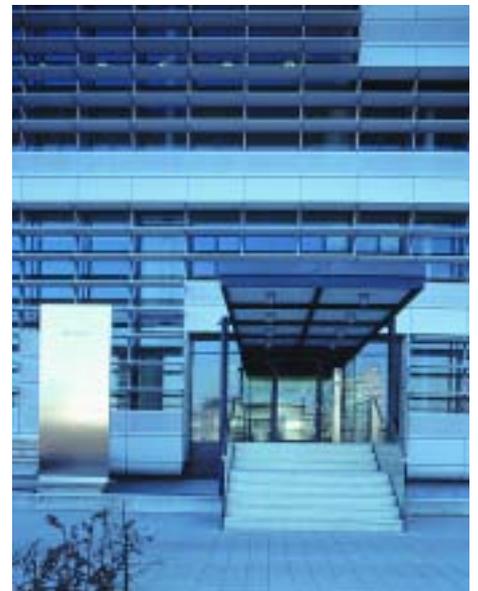
High Solar Reflection

Light Weight Construction -  
Ideal for large spans

Good External Vision

Unlimited Colours

Easy to Clean (resin/teflon coated)



# “A completely new building fabric to work with”

## LOUVRE SUPPORT

The Shadotex system can offer two louvre support options;

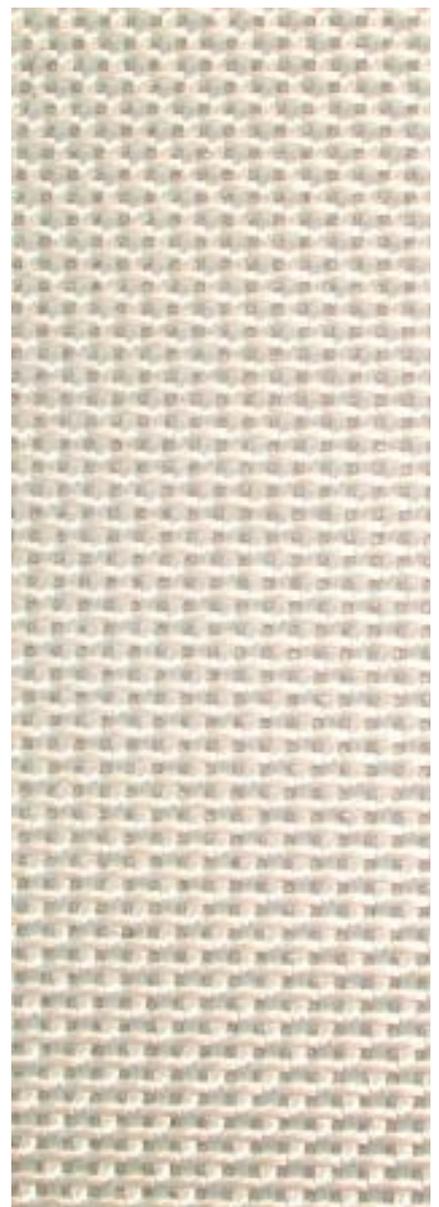
Option 1 - Centre pivoted

Option 2 - Back hinged

## FABRIC OPTIONS

The Shadotex system offers many configurations, both in the colour choice and material choice. Fabric options include:

- **PVC Coated Polyester Membrane**
- **Teflon Glass Fibre Membrane**
- **Silicon Glass Fibre Membrane**
- **ETFE (coloured or translucent)**
- **ETFE (screen printed)**





“The Colt Shadotex system allows good external vision with excellent solar protection”

#### FABRIC PERFORMANCE LEVELS

##### Teflon Glass Fibre (white)

Radiation transmission	approx. 11%
Light transmission	approx. 7%
Thickness	0.64mm
Weight	0.67 kg/m <sup>2</sup>

##### PVC Coated Polyester (white)

Radiation transmission	approx. 4%
Light transmission	approx. 2%
Thickness	0.45mm
Weight	0.65 kg/m <sup>2</sup>

##### ETFE (white, translucent)

Radiation transmission	approx. 80%
Light transmission	approx. 70%
Thickness	0.20mm
Weight	0.35 kg/m <sup>2</sup>

##### Silicon Glass Fibre

Radiation transmission	approx. 20%
Light transmission	approx. 10%
Thickness	0.25mm
Weight	0.35 kg/m <sup>2</sup>

##### PVC Coated Polyester (grey)

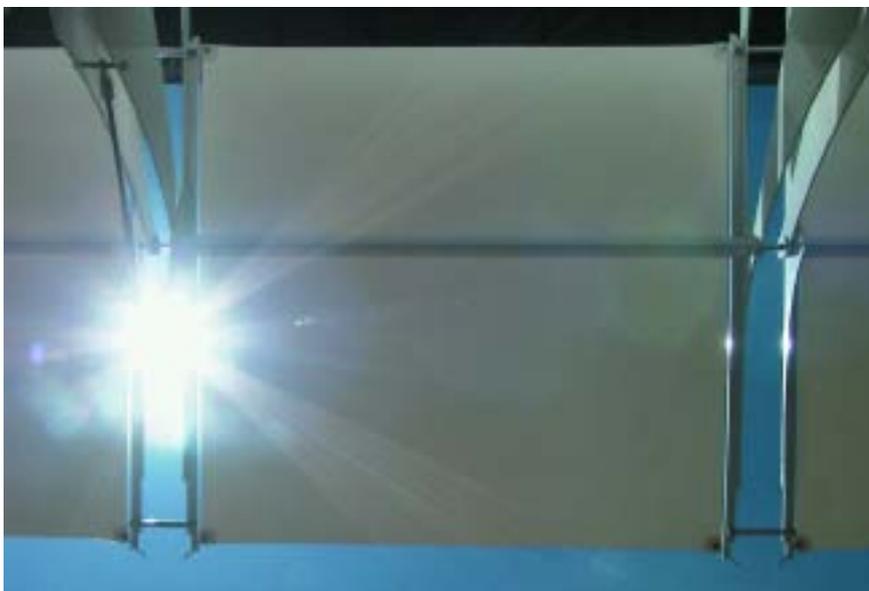
Radiation transmission	approx. 2%
Light transmission	approx. 2%
Thickness	0.45mm
Weight	0.65 kg/m <sup>2</sup>

##### ETFE (printed)

Radiation transmission	approx. 36%
Light transmission	approx. 34%
Thickness	0.20mm
Weight	0.35 kg/m <sup>2</sup>

Colt Shadotex offers a high degree of solar glare protection without compromising on external vision

Test rig for Zurich Airport, Switzerland utilising various fabric and perforated metal fins



# Shadotex - Membrane Solar Shading System



## CONTROLS

The Colt Shadotex system can be controlled by optional Colt Solar Shading Controllers including:

Manual Control

ICS 4 Link

Soltronic

Girasol (Thermo Hydraulic)

For further information on suitable control systems for your Shadotex, please contact Colt International Ltd.



## MAINTENANCE

The Colt Shadotex system requires little maintenance - periodic cleaning and a simple annual service are recommended.

## COLT SERVICE

Part of the Colt Group of companies, Colt Service offers a comprehensive range of maintenance packages incorporating the maintenance and repair of all building services equipment including non Colt products.

Colt Service provide a 24 hour, 365 day emergency cover as standard.



Architectural Solutions

Climate Control

Smoke Control

Service and Maintenance

**Colt International Limited**

New Lane Havant

Hampshire PO9 2LY

Tel +44(0)23 9245 1111

Fax +44(0)23 9245 4220

info@coltgroup.com

www.coltgroup.com