

## Textiles

Two types of textile are rated according to their mechanical properties:

- Textile that can be used internally or externally,
- Textile that can be used internally only.

The thermal and optical characteristics of the textiles considered in **TEXTINERGIE** are the following:

### Thermo-optical properties of textiles that can be used internally or externally

Thermo-optical properties	Colours				
	Light neutral	Medium neutral	Dark neutral	Warm colour	Cold colour
$\tau_e$ (%)	14	9	5	14	9
$\tau_v$ (%)	13	7	5	8	6
$\rho_e$ (%)	57	40	20	70	37
$\rho_v$ (%)	65	41	15	52	35

### Thermo-optical properties of textiles that can be used internally only

Thermo-optical properties	Colours				
	Light neutral	Medium neutral	Dark neutral	Warm colour	Cold colour
$\tau_e$ (%)	24	9	5	24	18
$\tau_v$ (%)	24	8	6	22	16
$\rho_e$ (%)	65	42	28	57	39
$\rho_v$ (%)	69	49	24	65	45

With:  $\tau_e$ , solar transmittance  
 $\tau_v$ , visual transmittance  
 $\rho_e$ , solar reflectance

$\rho_v$ , visual reflectance