



# SWISSLAMEX TISSUE

Glass innovation with a metallic effect





Photo: Würth AG, Rorschach, exterior view

# The laminated safety glass with a metallic effect

Metallic effects lend a surface a unique appearance: they constantly present themselves in new guises, depending on the incidence of light and angle of view, with a glorious play of colours arising from the many different reflections. This effect creates an exceptional architectural language for both exterior and interior finishes. Regular interruptions or larger openings necessary for natural illumination of interior spaces have a considerable influence on the design possibilities. SWISSLAMEX TISSUE offers clear views and metallic lustre in a single product, thereby opening up radical new opportunities in a unique combination.

This is facilitated by a precision polyester fabric with a metallic coating on one side placed between the panes of the laminated safety glass (LSG). On the one hand, the mesh opening in the fabric allows daylight to pass through, giving life to the room and having a positive effect on the well-being of those inside. The coating on the other hand reflects part of the incident light resulting in the desired metallic character, bringing life and movement to the glass surface. Depending on the type of fabric, the reflection also stops people looking into the building or room interior. The glass is thus also ideal for sensitive applications to ward off inquisitive eyes. In contrast, the black back of the fabric allows an almost uninterrupted, colour-neutral view of the outside world.



Photo: Würth AG, Rorschach, interior view, © Thies Wachter



Photo: Saurstoffir, Rotkreuz

### **Need-oriented fabric types for exterior and interior design**

A choice of aluminium, gold, chrome or titanium is available for the metal coating of the fabric. Different thread sizes and mesh openings also influence the total solar energy transmittance (g value) as well as the light transmission value (LT value) of the glass. SWISSLAMEX TISSUE thus also offers reliable sun and heat protection according to need. A wide range of individual patterns, lettering or company logos can be produced by means of printing, embossing and stamping. Double-sided metallic coating of the web is also possible.

The transparency of the glass and the light-sensitive fabric open up interesting application possibilities in high-end interior design: used as a room-dividing element for example, the transparency or reflectiveness can be selectively controlled by the use of artificial light, independently of natural light and equally applicable to both sides of the element. Another possibility is the incorporation of a mirror, creating a further light-reflecting dimension that results in fascinating reflections and Moiré effects.

### **The properties at a glance**

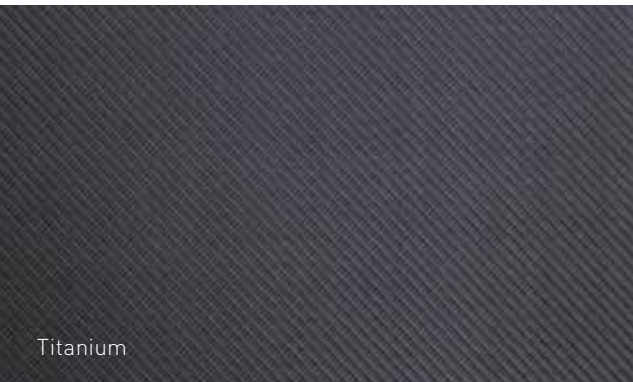
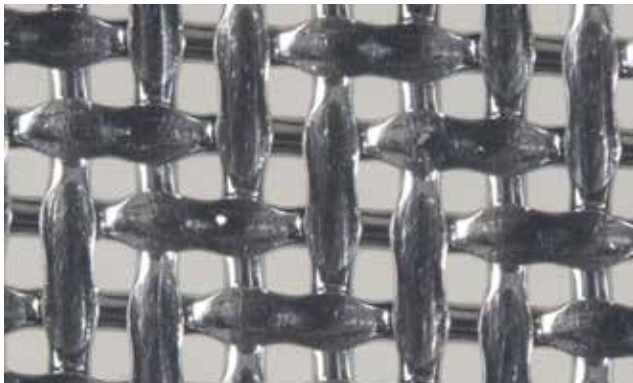
- Laminated safety glass version with its active and passive safety features
- Laminated metal-coated web in aluminium, gold, chrome or titanium
- Unrivalled metallic look
- Reflective external appearance
- Unimpeded interior view
- Flexibility in terms of total solar energy transmittance (g value) and light transmission value (LT value)
- Customisation options by means of printing, embossing or stamping the web or by double-sided metal coating

### **The potential applications at a glance**

- Large facades
- Glass structures
- Glass partition walls and glass doors
- Shower walls
- Wall claddings
- Table tops and furniture



# Metallic coatings



Material thickness (µm)	140	140	140	260	260
Mesh opening (%)	25	50	70	25	55
Standard fabric width	160 cm	160 cm	160 cm	160 cm	160 cm
Standard fabric height	600 cm	200 cm	200 cm	235 cm	235 cm
Fabric width on request	200 cm	200 cm	200 cm	235 cm	235 cm
Fabric height on request	900 cm	900 cm	900 cm	900 cm	900 cm
<b>ALUMINIUM</b>					
Article description	AL 140/25	AL 140/50	AL 140/70	AL 260/25	AL 260/55
Total solar energy transmittance (%)	32,8	50,7	61,6	28,7	53,9
Luminous transmission factor (%)	19,7	44,7	61,8	21,7	49,9
<b>GOLD</b>					
Article description	on request	on request	on request	on request	on request
Total solar energy transmittance (%)					
Luminous transmission factor (%)					
<b>CHROME</b>					
Article description	CR 140/25	CR 140/50	CR 140/70	CR 260/25	CR 260/55
Total solar energy transmittance (%)	35,7	52,2	61,7	32,3	54,8
Luminous transmission factor (%)	19,8	44,4	60,0	20,8	49,1
<b>TITANIUM</b>					
Article description	TI 140/25	TI 140/50	TI 140/70	TI 260/25	TI 260/55
Total solar energy transmittance (%)	36,5	52,1	63,3	33,0	55,1
Luminous transmission factor (%)	19,7	44,0	61,5	18,7	48,9

### Customisation options



#### Printing

possible on single or double-sided coated fabric



#### Embossing

possible on double-sided coated fabric



#### Stamping

possible on single or double-sided coated fabric

INTERIOR

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