

Education/Culture

Sukagawa Community Center tette

Use functional textiles to control and optimise the indoor climate.



Starting Point

After the massive earthquake in East Japan, the community centre was rebuilt, deliberately involving the citizens in the planning process. Special workshops helped to define the demands on the new building as an organic architecture with different zones, resulting in a community centre with many platforms—a library, a room for sharing, a playground and a terrace.

Solution

Besides the visual appearance, the functional properties were decisive for the choice of fabrics. Transparent acoustic fabrics ensure good room acoustics. Anti-glare and thermal protection textiles, including STEEL BASE, protect books from color fading and reduce operating costs through their thermal protection.

The multifunctional blackout fabrics in the seminar room simultaneously optimise the acoustics. All textiles are flame-retardant.

Object

Sukagawa Community Center tette,
Sukagawa City, Fukushima, Japan

Concept

Ishimoto Architectural & Engineering Firm,
Unemori Architects, Tokyo, Japan

Photos

Kai Nakamura / KAI NAKAMURA
PHOTOGRAPHY, Tokiwadaira Matsudo Chiba
Japan



Textiles Used



BETACOUSTIC

Article-Number: 0100755

Use: Transparent/semi-transparent curtain fabric

Number of colors: 8

Material: 100% Flame retardant (Trevira CS)

Fabric width: 300 cm/118 inch/3.28 yard

Weight: 125 g/m²

Sound absorption: α_w 0.65

Light fastness: 6-7



SECRET

Article-Number: 0101170

Use: Dim-out fabric/blackout

Number of colors: 21

Material: 100% Polyester flame retardant

Fabric width: 300 cm/118 inch/3.28 yard

Weight: 358 g/m²

Sound absorption: α_w 0.85

Light fastness: 6-7



SHADOW V R

Article-Number: 0172005

Use: Roller blinds

Number of colors: 7

Material: 100% Flame retardant (Trevira CS)

Fabric width: 285 cm/112 inch/3.12 yard

max. width of the system: 270 cm

max. height of the system: 400 cm

Weight: 131 g/m²

Sound absorption: α_w 0.10

Light fastness: 5-6