

# Soleil 1000

**STOPFIRE**



*Antiflame outdoor yarns*

colours & yarns for weaving

**SOLEIL 1000 STOPFIRE** yarns add to the outdoor properties of the SOLEIL 1000 yarns the flame retardant and self-extinguishing properties typical of the STOPFIRE line.

Chemically, they consist of polyethylene terephthalate, with the addition of phosphorous compounds. They contain no halogen products. Their properties are obtained by adding a phosphorous based co-monomer as a flame retarding agent during the preparation phase of the raw material.

Being introduced during the polymeric synthesis, the agent ensures permanent flame retardant characteristics, which, unlike when obtained through surface applications to fabrics, won't deteriorate through wearing (removal by abrasion) or cleaning (washing, ironing and brushing).

The flame retardant properties give fabrics permanent self-extinguishing characteristics that withstand any cycle and type of washing. The flame retardant action is achieved through catalytic inhibition, raising the oxygen quantity required for combustion (L.O.I.).

**SOLEIL 1000 STOPFIRE** was developed to provide an exhaustive answer to fire safety problems: correctly constructed fabrics made from it pass the tests laid down by European regulations.

The combustion analysis of fabrics containing **SOLEIL 1000 STOPFIRE** for toxic fumes (carried out by external laboratories), confirms positive results.

