



Project AOS

Glue lamination of fabrics for technical furnishing with a special wadding which can replace expanded polyurethane foams

Coordinator

Fidivi Tessitura Vergnano SpA

Partners

Aunde Italia SpA
L.G.B. Srl

Project objectives

The replacement of expanded polyurethane currently used in the lamination process with a special innovative wadding in order to make the whole set fabric+wadding 100% recyclable. This new product may be used for furniture, transportation (car seats, trains, ships and planes).

Abstract

A new special wadding which has the requested characteristics of elastic push and at the same time is flame combining was developed. The project consist of:

- development of prototypes of special wadding
- combining
- check of all requested parameters (resistance to delamination, flame resistance, weight, seam slippage, tensile strength, tear strength, resistance to perforation...)
- new process development
- realisation of prototypes to be used for suitcases, phono-adsorbent panels for automobile, home and office use

New technical products were developed:

- doubling fabrics with "soft touch"
- recyclable fabrics coming from already recycled fabrics
- doubling textile packages that can be certificated OEKO-TEX®
- flame resistant doubling packages
- packages that can be used in electro welding, heat-sealing and cutting processes
- package for thermoformed parts for sound absorbing furniture



CDE "G. Pella" - Biella



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Project for the development of cooperative innovation

INFO
polo.tessile@cittastudi.org
info@fidivi.com



Città Studi
BIELLA



PARTECIPAZIONE

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Ministero dell'Economia e delle Finanze

Progetto cofinanziato dall'Unione Europea,
dal Ministero dell'Economia e delle Finanze e dalla Regione Piemonte