

*A hot topic about Techtexsil 2024...*

# Flame laminations

At this year's Techtexsil in Frankfurt, we were delighted to welcome a large number of trade visitors to our stand and to engage in numerous successful discussions. As a special highlight, we demonstrated our flame lamination process for the first time using a model, thus giving the interested audience a better understanding of its functionality. As the largest specialty and niche producer of coatings in Europe, we offer a wide range of products that is ideally complemented by our in-house flame lamination. It is possible to produce imitation leather and then laminate it to achieve an optimum material composite.

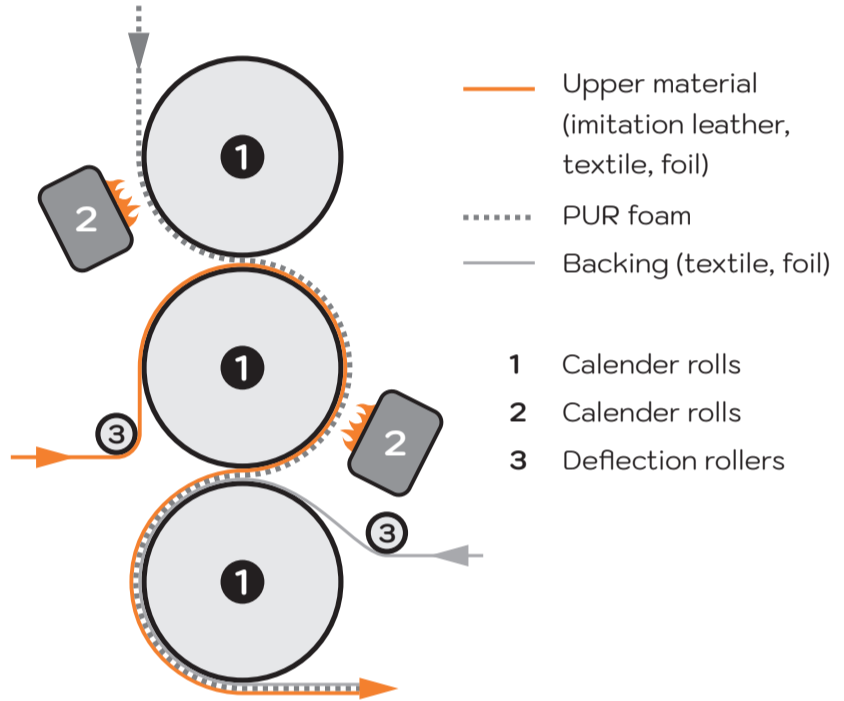


## Simply explained

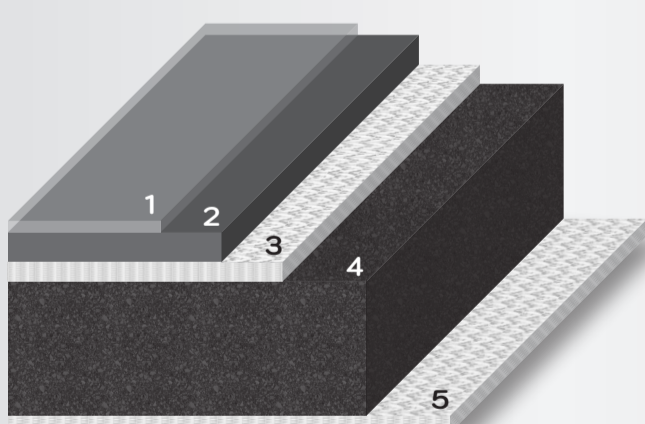
*The flame lamination principle*

### Flame lamination process

This efficient lamination process creates a durable material composite of three components at a single station. In this process, a gas burner that runs across the entire working width melts the polyurethane foam, creating an adhesive film. The upper material is now bonded to the foam between two calender rolls. The back of the foam can then also be melted using a second gas burner in order to bond it with a backing, e.g. a textile or a film, in a subsequent calender.



## The product structure - Flame-laminated imitation leather



- 1 - Paint finish
  - 2 - PVC coating
  - 3 - Textile carrier
  - 4 - PUR foam
  - 5 - Textile backing
- } Imitation leather

## Conclusion

“With our in-house flame lamination, we enable an efficient flow of goods from coating up to the finished product. We are able to laminate our own coatings quickly and economically or to produce them as a contract finishing service for our customers. The great advantage of the process is that the upper and carrier materials fuse together. This eliminates the need for additional adhesives. For almost 125 years now, we have been producing exclusively at our company site in Treuen, Germany,” said Gregor Götz, Managing Director of Vowalon Beschichtung GmbH.

