



Nonwovens essentials

BRUSSELS, BELGIUM



The comprehensive technical and commercial foundation for nonwovens professionals.

This multi-day course moves beyond terminology to provide a detailed survey of all major manufacturing processes (drylaid, spunmelt, wetlaid), bonding techniques, raw materials, and applications. Ideal for new engineers, R&D, procurement, and marketing managers who need a functional understanding of the entire value chain.

ORGANISED BY



IN COOPERATION WITH





DAY 1

Registration on the 1st day opens at 8.30

Each day the course starts at 9.00 and finishes at 17.00

09.00

Introduction and welcome

Welcome from EDANA, introductions of instructors and participants

INTRODUCTION OF NONWOVENS

Definition and applications of nonwovens, review of the overall programme

10.30



Coffee break

WEB FORMING TECHNOLOGIES

Overview of background, process concepts and recent developments

DRYLAID NONWOVENS

Carding and long-fibre airlaid, including fibre characterisation and fibre opening

12.30



Lunch

WETLAID AND SHORT-FIBRE AIRLAID

Development of wetlaid nonwovens from paper technology, comparison with short-fibre airlaid

15.00



Coffee break

WEB FORMING TECHNOLOGIES – POLYMER TO WEB

Evaluation of the principal concepts of spunlaid, meltblown, and submicron spinning

17.30

Wrap-up and end of day one



PROGRAMME & TIMING

DAY 2

09.00

WEB CONSOLIDATION TECHNOLOGIES

Overview of background, process concepts and developments in bonding technologies

CHEMICAL BONDING

Binders used

THERMAL BONDING

Calendering, through-air

10.30



Coffee break

MECHANICAL BONDING

Needlepunch, hydroentanglement

FINISHING

Winding, slitting, post-treatments

12.30



Lunch

RAW MATERIALS FOR NONWOVENS

Overview of fibres and fibre classification, properties of different fibres

Choice of fibres in relation to product characteristics

Introduction of different polymers used for 'in situ' fibre production

Additives for special properties

15.00



Coffee break

NONWOVEN TEST METHODS

Introduction of the Nonwoven Standard Procedures (NWSP)

NONWOVEN MARKET

Presentation of the latest available EDANA statistics

GROUP EXERCISE

Analyse a nonwoven-based product

17.30

Wrap-up and end of day two

DAY 3

09.00

Departure to R&D pilot plant by bus

Visit to CETI (Centre Européen des Textiles Innovants) in Tourcoing (France)

10.30

Tour at CETI

The visit will allow the participants to actually see most of the production technologies which have been explained during the course

13.00



Lunch

14.30

End of the visit and departure

Arrival at Brussels Airport around 16.30

Arrival at EDANA offices around 17.00

FACT FILE

WHO SHOULD ATTEND?

Both technical and marketing persons will benefit from attending this course as they are likely to be involved with producers, suppliers, converters and retailers within the industry.

COURSE ORGANISER

This course is organised by EDANA. The association is sponsor of INDEX, the world's largest nonwovens exhibition. EDANA has over 300 member companies in 35 countries.

COURSE INSTRUCTORS

Marines Lagemaat, Scientific and Technical Affairs Director at EDANA, hosts the course and delivers it together with external expert **Olivier Guichon**, Consultant Nonwoven Process Expert at RH Solutions.

LANGUAGE

The course language is English. The instructors make extensive use of visual aids, videos and samples. Active participation is encouraged from all participants.

NUMBERS

Each course is limited to around 20 participants.

VENUE

Days 1 and 2 take place at EDANA, Avenue des Nerviens 85, 1040 Brussels, Belgium, if a minimum number of 10 participants is reached. Day 3 takes place at CETI, 41 rue des Métissages, 59200 Tourcoing, France.

ACCOMMODATION

EDANA provides hotel recommendations after registration.

REGISTRATION FEE

Visit the EDANA website for more information about the registration fees. EDANA members benefit from a discounted rate.

CERTIFICATE

EDANA delivers a completion certificate upon request.

For further information,
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For more information
about EDANA,
please visit our website:
www.edana.org