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# IMPERVIUS™

The Bitumen Waterproofing Conference

5 – 6 June, 2019

**Baveno** | Italy

Grand Hotel Dino

EDANA presents a high-level conference and unique business opportunities to support the dialogue across the supply chain of the bitumen waterproofing membranes.

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## Conference programme



ORGANISED BY  
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THE VOICE OF NONWOVENS

FOR MORE INFORMATION CONTACT

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## Wednesday 5<sup>th</sup> June 2019

**11.30 > 18.00**      **REGISTRATION DESK OPEN**  
Please wear your badge at all times for easier networking

**11.30 > 12.00**      **WELCOME COFFEE**

**12.00 > 12.15**      **OPENING AND WELCOME ADDRESS**  
**Pierre Wiertz, General Manager, EDANA (Belgium)**



**12.15 > 13.00**      **KEYNOTE SPEECH**  
**FUTURE-PROOFING CONSTRUCTION IN THE AGE OF CHANGE**

- Construction in the 21<sup>st</sup> century - trends and tendencies
- Construction exposure to change and conflicting agendas
- Innovation drivers and trends
- Implications for roofs, roads and infrastructure
- Perspectives on key success factors



**Frank Hatzack, Senior Advisor, Copenhagen Institute for Futures Studies (Denmark)**

**13.00 > 14.00**      **LUNCH**



Let's Tweet!

**#EdanaNonwovens**  
**#IMPERVIUS19**

## SESSION 1 RAW MATERIALS DEVELOPMENT



### MODERATOR

**Marc Beuken, Managing Director, Alphamin (Belgium)**

### 14.00 > 14.30 BITUMEN: A SPECIALTY PRODUCT IN TODAY'S REFINING WORLD

- European bitumen demand has reduced significantly during the last 10 years resulting in a significant reduction of bitumen production capacity
- The demands from the end-user is changing with an increased focus on specific quality aspects and bitumen is no longer a "one fits all" product
- The change of HSFO fuel specifications is indirectly affecting the way bitumen is seen in a refinery: bitumen is made on purpose
- Will there be an impact on bitumen quality due to all of these changes?



**Wim Teugels, Crude & Feedstock Specialist, Nynas (Belgium)**

### 14.30 > 15.00 PROMOTING PHASE INVERSION IN POLYPROPYLENE/BITUMEN SYSTEMS BY PPA: WATERPROOFING MEMBRANES PRODUCTION

- Phase inversion often of compounds, affinity between polymer/bitumen
- Study of the miscibility by adding phosphorus compounds, especially polyphosphoric acid, which changes the bitumen structure in particular the asphaltene ones



**Ines Antunes, R&D Manager, Polyglass (Italy)**

### 15.00 > 15.30 ADAPTING MODIFIED BITUMEN ROOFING SOLUTIONS TO CHANGING RAW MATERIALS SOURCES AND LOCAL REQUIREMENTS

- Higher cost efficiency by using less modifier, more recycle & more filler
- Adapt to various bitumen viscosities and sources e.g. using harder bitumen
- Improved flexibility for ease of installation



**Sascha Norden, Market Development Lead, ExxonMobil Petroleum & Chemical (Belgium)**

### 15.30 > 16.00 COFFEE BREAK

## SESSION 2 PROCESSING



### MODERATOR

**Claudio Colombi, Market Manager Construction, Chomarat (France)**

16.00 > 16.30

### BITUMINOUS WATERPROOFING SHEETS-EUROPEAN SPECIFICATIONS AND GOOD PRACTICE APPLICATIONS: DURABILITY IS STILL AN OPEN QUESTION



- European specification for bituminous waterproofing
- Application technologies
- Normative proposal for successful applications

**Alberto Madella, Manager, SITEB (Italy)**

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16.30 > 17.00

### CLEAN AIR SYSTEM – TALE OF A SMELL



- Valli Zabban Trecastelli in the eye of the storm
- A new smart approach to solve the smell issue
- Valli Zabban Trecastelli New air in the valley
- Smart comparison between the different available technology

**Giovanni Dalla Torre, Sales Manager, EUROLINE (Italy)**

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17.00 > 17.30

### CARRIER LESS MEMBRANES FOR ROOFING & WATERPROOFING APPLICATIONS



- What are carrier less waterproofing membranes
- Uses for carrier less waterproofing membranes
- Types of carrier less waterproofing membranes
- Methods of production

**Joseph Gajc, Global Sales Director, Reichel & Drews (United States)**

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17.30 > 18.00

**SOAKED ? .... OPTICAL QUALITY CONTROL OF BITUMEN WATERPROOFING MEMBRANES WILL HELP TO AVOID THIS**



- Inspection of the base material (felt paper)
- Continuous monitoring of the bitumen impregnation
- Manual or automatic feedback of defect information to production line to correct process parameters & keep the process within the production window
- 100% storage of production data for quality analysis

**Martin Lehmköster, Sales Manager, Dr. Schenk (Germany)**

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18.45 > 21.30

**THE EDANA WALKING DINNER AT THE RISTOLOUNGE ELVEZIA ON ISOLA BELLA**



Please meet in the lobby of the Grand Hotel Dino at 18.45 hrs

The ideal opportunity for relaxed networking  
(Business Casual Dress)



## Thursday 6<sup>th</sup> June 2019

- 08.30 > 12.00**    **REGISTRATION DESK OPEN**  
Please wear your badge at all times for easier networking
- 08.30 > 09.00**    **WELCOME COFFEE**

### SESSION 3    DEVELOPMENT IN MENA REGION



#### MODERATOR

**Grégory Lemaire, Commercial Manager Construction Products, Valéron Strength Film (Belgium)**

**09.00 > 09.30**    **GCC: A GROWTH STORY EMBRACING TRANSFORMATION**



- Macro review: Change is happening and is radical
- New pockets of growth: Strategic themes for the next decade
- The GCC construction sector: Navigating the short-term, think long

**Anthony Hobeika, Chief Executive Officer, MENA Research Partners (United Arab Emirates)**

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**09.30 > 10.00**    **THE MARKET FOR MODIFIED BITUMINOUS MEMBRANES IN THE MIDDLE-EAST AND GULF REGION**



- Historical and current trends
- Main types and popular systems
- Challenges facing manufacturers
- Robustness of the market and the future as we see it

**Gaby Gedeon, General Manager, DWI, Dermabit Waterproofing Industries (Saudi Arabia)**

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## SESSION 4 REGULATION & ENVIRONMENTAL OPPORTUNITIES

### MODERATORS

**Marc Beuken, Managing Director, Alphamin (Belgium)**

**Claudio Colombi, Market Manager Construction, Chomarat (France)**



10.00 > 10.30

### KEYNOTE SPEECH

#### SUSTAINABILITY AND CIRCULAR ECONOMY WITHIN THE ROOFING INDUSTRY: HYPE OR TREND?



- What is sustainability - a trend or hype in society?
- What does sustainability mean in the construction sector and more specifically in the (bitumen) roofing business
- How do you measure/define this (LCA, norms, ...)
- Some examples of sustainable technologies on the market (recycling, biobased, ...)

**Hans Aerts, Business Consultant, Hans Aerts Consulting (Belgium)**

10.30 > 11.00

### COFFEE BREAK

11.00 > 11.30

#### RECYCLED POLYMER APPLICATIONS IN BITUMINOUS SHEETS: OPPORTUNITIES FOR A CIRCULAR ECONOMY



- Application of powder from end-of-life tires inside bitumen roofing membranes replacing SBS virgin resin
- Solution to improve dispersion and performances
- Real industrial scale production and application

**Camillo Cardelli, Chemist, MOPI (Italy)**

11.30 > 12.00

#### CIRCULAR ECONOMY IN THE WORLD OF THE BITUMEN WATERPROOFING – SOURCE OF A NEW RAW MATERIAL



- Origin of the “bitumen waterproofing membranes”
- Process - Collect and treatment
- The new raw material – characteristics and use

**Patrick Cogneau, Technical and R&D Director, Derbigum (Belgium)**

12.00 > 12.30

## FLAME RETARDANCY – OVERVIEW OF LEGISLATION AND PRACTICAL EXAMPLES



- Flame retardants: overview and trends
- Concerns about flame retardants
- Flame retardant textiles

**Isabel De Schrijver, R&D Manager Plastic Characterisation, Processing & Recycling, Centexbel (Belgium)**

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12.30 > 13.00

## NATURAL MAGNESIUM HYDROXIDE FLAME RETARDANT AS A NEW SOLUTION FOR BITUMEN ROOFING MEMBRANES



- Comparative study about flame retardants in bitumen
- Estimation of different factors of influence
- Different results on APP and SBS compounds

**Konstantin Sdobnov, Project Manager, Europiren (Netherlands)**

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13.00 > 13.10

## CLOSING WORDS

13.10 > 14.00

## FAREWELL LUNCH

EDANA would like to thank the members of the Bituminous Membranes WG for their help in setting-up this programme.