



NOE[®] report

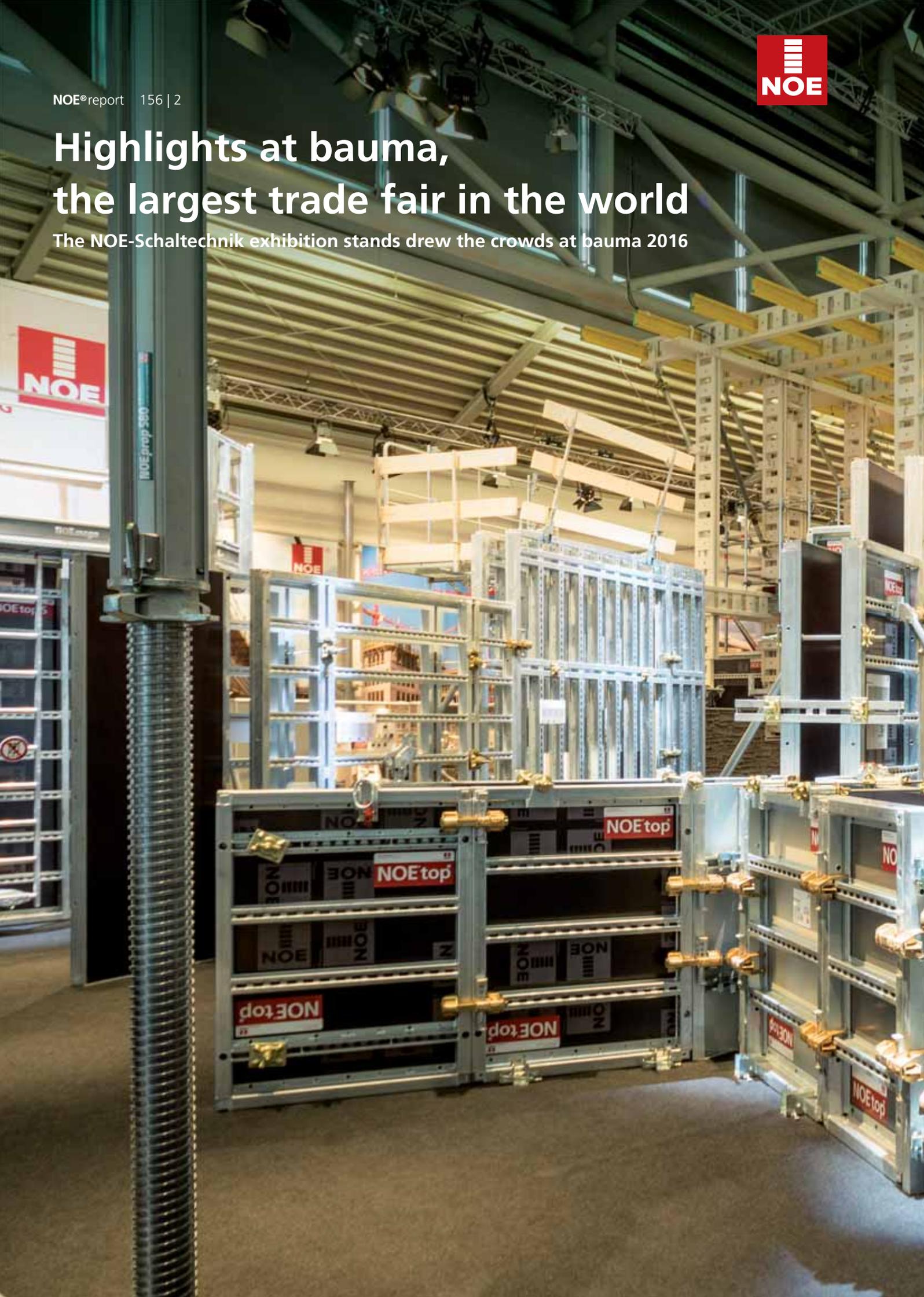
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Highlights at bauma, the largest trade fair in the world –
The NOE-Schaltechnik exhibition stands drew the crowds at bauma 2016 2

Highlights at bauma, the largest trade fair in the world

The NOE-Schaltechnik exhibition stands drew the crowds at bauma 2016



According to information released by the exhibition organisers, *bauma* is the largest trade fair in the world in terms of floor area. By any standards, it is a significant centre of attention for the construction industry.

A total of 3428 exhibitors from 58 countries presented their products and services from 11–17 April 2016. The event drew approximately 580,000 visitors from 200 nations. This level of lively interest was also clearly apparent around the NOE stands.

NOE presented its products simultaneously on two exhibition stands: formwork technology and formwork in Hall A 2 and textured formliners in Hall B 1. NOE representatives on both exhibition stands were delighted to receive a non-stop flow of visitors. The atmosphere was great, as was the interest in NOE formwork systems and textured formliners.



A total of 3428 exhibitors from 58 countries presented their products and services at *bauma*, which, in terms of floor area, is the largest trade fair in the world and drew about 580,000 visitors from 200 nations. This lively level of interest was also apparent around NOE-Schaltechnik from Süssen, Germany.



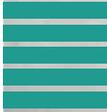
One-sided tie rod system

On over 600 m² of exhibition space in Hall A 2, NOE highlighted several aspects relating to easier working, workplace safety and efficiency. Examples included **NOEtop EinsA**, which allows whole or parts of NOEtop panel formwork assemblies to be fitted with one-sided tie rods – without the need to invest in a whole new formwork system. NOEtop EinsA makes formwork erection so much quicker and more efficient.



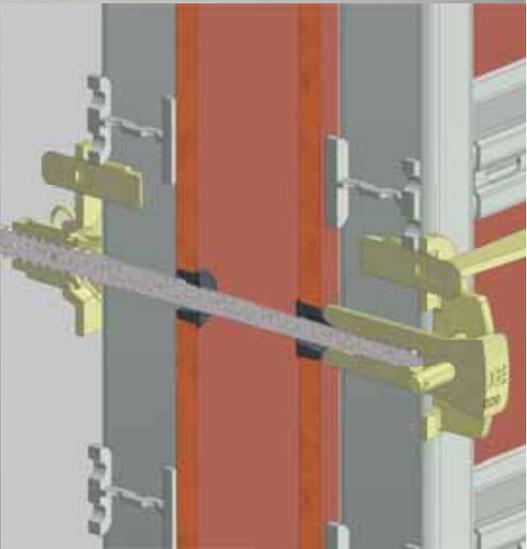


THE FORMWORK



NOE[®]top EinsA





- Tie rod system operated from one side
- Tapering tie rod, no sleeve required
- For wall thicknesses from 150 to 400 mm, adjustable in 10 mm increments
- NOEtop standard formwork frames can be converted
- Compatible with NOEtop standard tie system
- NOEtop EinsA frame with integral bracing in widths of 400 to 1325 mm

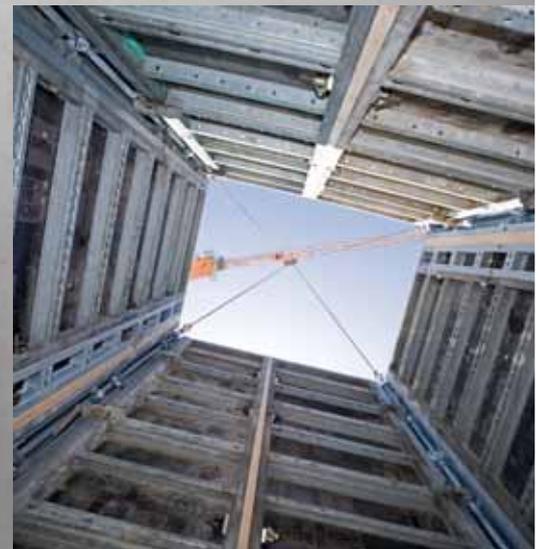


Stripping formwork in the tightest of spaces

NOEtop stripping corners turned out to be a real crowd puller. In practical presentations, the NOE team explained, how simple it is to install, strip and move internal formwork for shafts, without the need to dismantle it. The stripping corners are specially designed for use in lift shafts, stair wells and building shells where space is tight.



NOE®top stripping corner



- Lift shaft and stair-well core formwork erected efficiently and economically
- 20 mm stripping play all round
- Moved as a complete unit
- Quick to erect and strip
- Operated from above and from outside



Fair-faced concrete surfaces without butt joints using frame formwork

The creation of uniform, fair-faced concrete without butt joints does not have to require the use of beam formwork, as NOE proved at bauma with **NOEtop R**. The R stands for frame panels with integral bracing members. Nailing cores inserted into the transverse ribs of the panels allow users, if they wish, to attach the facing from the front or the back of the panels and arrange it independently of

the panel layout. As you would expect, NOEtop R is completely integrated into the NOEtop formwork system.

For especially high safety standards

NOEtop S demonstrates that NOE considers not only the efficiency of work on site, but also its safety. This system was specially developed for use in countries with particularly high safety standards. NOEtop S features working platforms with all-round safety protection, ladder

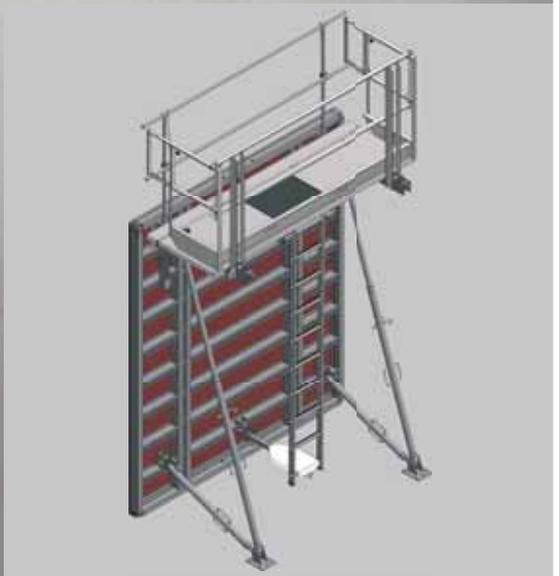




access and stabilizers, all directly attached to the NOEtop large area panels. They come to site ready for use and merely require to be folded out. Of course, the NOEtop S integrates completely into the NOEtop formwork system.



NOE®top S



- Working platforms, ladder access and stabilizers are integrated directly into the NOEtop panels.
- Delivered to site, ready for use
- Platform widths: 2650; 2400; 2000; 1325; 1200; 750; 600; 450 mm
- Can be clamped directly onto NOEtop panels
- All-round protection against falling from height
- Folds down to only 370 mm depth
- Assembled horizontally





Foldable column formwork

Another head-turner at the trade fair was the fully galvanised “foldable” **NOEtop FS** column formwork. The steel formwork facing, durability and ease of handling never fail to convince the onlookers. If required, frame panels for any kind of 21 mm board facing can be supplied. Naturally, the workplace safety measures are attached to the formwork as standard. The NOEtop FS is also compatible with the NOEtop formwork system.





THE FORMWORK

NOE®top FS



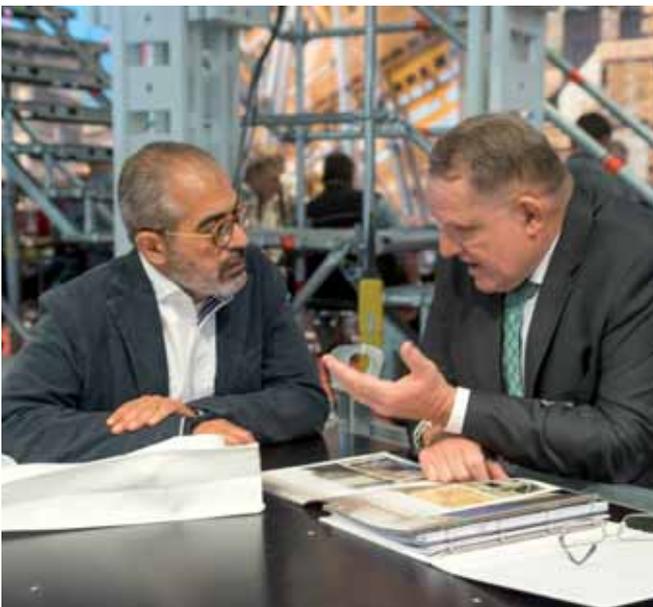

- Column cross sectional dimensions from 200 up to 600 mm
- 50 mm increments
- Column heights 3500; 2750; 1250; 600 mm
- Available
 - with steel formwork facing for special-purpose concrete
 - as a supporting frame for any type of 21 mm thick facing for fair-faced concrete columns
- Durable, completely galvanised system



For better workplace safety

It is no secret that workplace safety takes on a broader and ever-more important role on construction sites. This applies in particular to buildings with open facades. With its workplace safety system **NOE Krass**, which is moved to different parts of the building by crane, NOE has brought not only a cost-effective but also a space-saving system onto the market. One unit of this system can make up to two storeys safe against falls from height. It can also

provide protection against falling from the edge of the next higher deck to be formed. It "climbs" on sliding shoes attached to the building. One particular advantage is that the protection components are always attached to the building's structure. The protection can be in the form of a grillage or an almost solid metal sheeting system, depending on the construction height. NOE Krass is a light-weight, cost-effective system based on parts from the NOE Combi 20 system.





THE FORMWORK







- Simple, cost-effective workplace safety system, movable by crane
- The system can be used in such a way that it provides protection for working on the formwork for the next deck
- Rail guided, therefore immune to wind problems
- Approx. 30 % lighter than comparable systems
- Only twelve system components
- Solid protection barrier up to 50 m building height; safety grillages above 50 m
- Durable, all system components galvanised or painted
- Based on NOE Combi 20 system components



NOE

PFEIFER F20

NOE Krass

NOE Krass

NOE Krass

DIESCH

161,6 kN

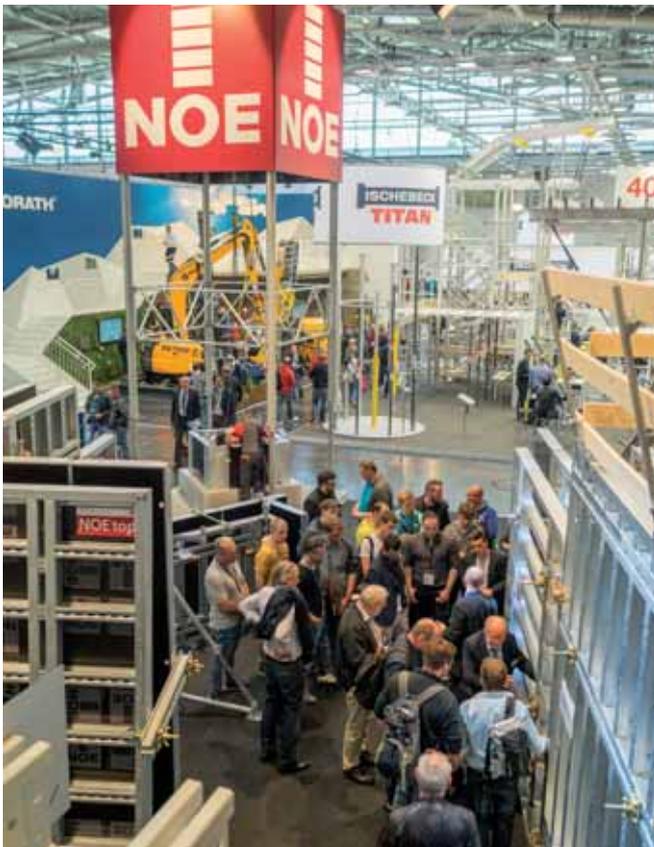
160,6 kN





Great versatility

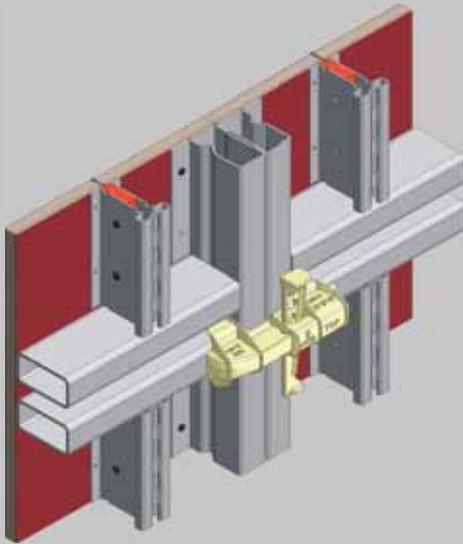
NOE took the opportunity in Hall A 2 to present its wide range of formwork systems. But they were not the only products on display. In addition, visitors could look at, touch and be inspired by many other solutions, including the **NOE HBF support bracket**, the **NOE System 6-2-5 beam formwork**, **NOEmega steel formwork**, lightweight **NOEalu L manual formwork** and the **NOEprop aluminium support scaffold system**.





THE FORMWORK

NOE®top R

- Nailing cores inserted into top hat profiles
- Facings can be screwed on from the front or the back
- Free choice of facing, frame butt joints can be ignored
- Integrated into the NOEtop formwork system
- NOEtop and NOEtop R panels can be combined
- Can be used with the same accessories as the NOEtop panel system
- Panel dimensions
 Heights: 3310; 1325 mm; widths: 2500; 2000; 1000; 750; 200 mm; internal corner (no facing) 473 x 473 mm



Concrete surface design

Under the slogan “Highlights” on its stand in Halle B 1, NOE co-presented the potential of designed concrete surfaces with Hebau and Inter-Minerals. The main interest here was **NOEplast** textured formliners. This process, proved over many decades of use, gives concrete surfaces a 3D texture.

Sonthofen-based Hebau showed how concrete surfaces can be treated and protected, while Inter-Minerals from Belgium demonstrated how you can add a certain “something extra” with its aggregates for concrete.



Ultra-thin formliners

Next to the textured formliners, NOE presented its cost-effective **NOEliner** product line. These 2 mm thick mats consist of hard-wearing PVC with a fabric on the back that increases their strength and dimensional stability. NOEliner textures are available in widths up to 5.80 m and lengths up to 50 m. They are used like NOEplast textured formliners, but are intended mainly for precast concrete works. One of their main uses is to create textures for anti-slip surfaces on balconies, arcades, loggias ...

Installation service makes site work easier

Unbelievably practical is the installation service from NOE, who is the only manufacturer to offer textured formliners and concrete formwork. On request, the textured formliners can be installed on formwork or supporting boards, and then delivered ready for use to site or to the precasting works. NOE will also prepare the formwork reuse plan and concreting schedule if required.



at its finest
in seiner schönsten Form



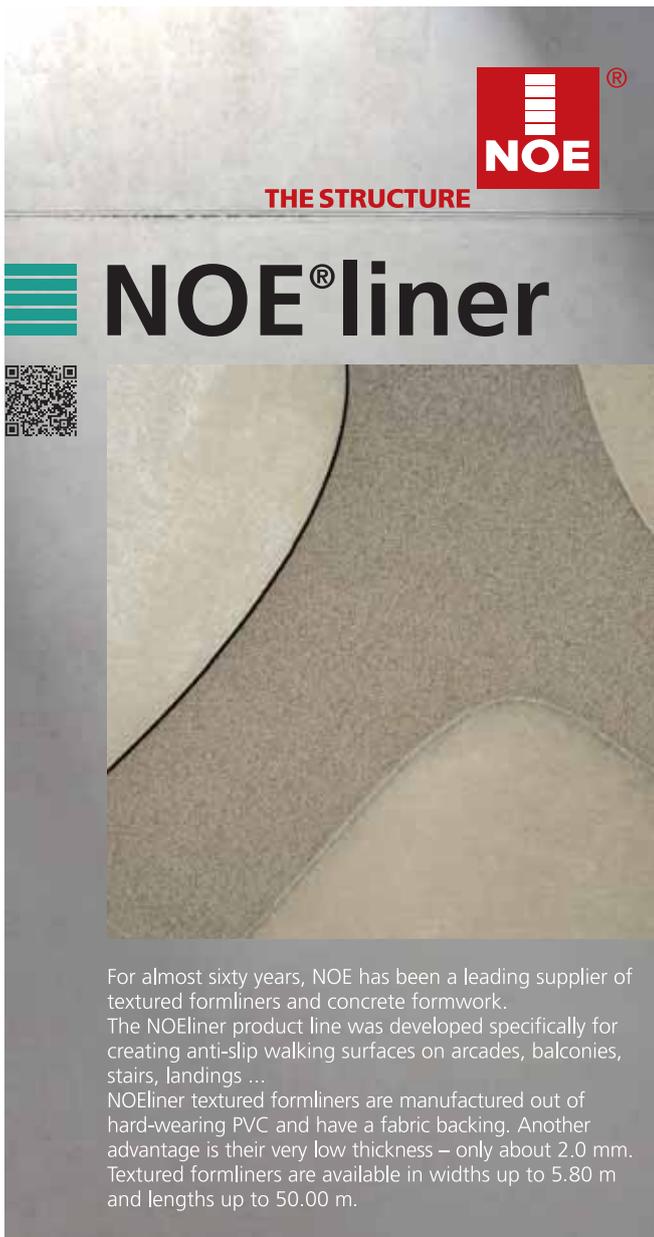
THE STRUCTURE

NOE[®]plast



NOEplast textured formliners offer undreamt-of freedom in the design of concrete surfaces – transforming fair-faced concrete into architectural concrete. As the only manufacturer of **textured formliners and concrete formwork** – with almost 60 years of experience – NOE knows every aspect of concrete and formwork. Use this experience as if it were your own. NOE supplies the textured formliners ready for immediate use on site or in the precasting works. Preinstalled on concrete formwork or supporting boards, and including the formwork reuse plan and concreting schedule.





NOE®

THE STRUCTURE

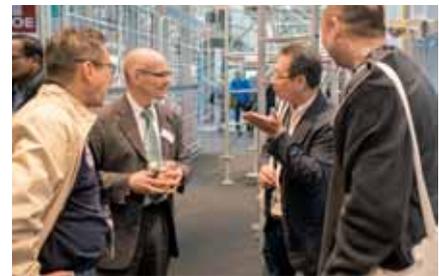
NOE®liner



For almost sixty years, NOE has been a leading supplier of textured formliners and concrete formwork. The NOEliner product line was developed specifically for creating anti-slip walking surfaces on arcades, balconies, stairs, landings ... NOEliner textured formliners are manufactured out of hard-wearing PVC and have a fabric backing. Another advantage is their very low thickness – only about 2.0 mm. Textured formliners are available in widths up to 5.80 m and lengths up to 50.00 m.



bauma 2016 was both a gain and a highlight for NOE and the visitors.



Satisfied visitors, satisfied exhibitors

By the successful combination of proven formwork systems with optimisation and innovation, NOE was able to fulfil the expectations of the visitors. Both stands cast light on the great strengths of NOE: a reliable partner in the field of formwork with many years' experience and a vision of the future. Many existing contacts were renewed and new links forged with promising potential new customers. In conclusion, bauma 2016 was both a gain and a highlight for NOE and the visitors.

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Cover image: *One particular centre of attention at bauma was the NOEtop stripping corner. Industry professionals visiting the NOE stands were particularly impressed by the speed and ease of handling of this system.*

**NOE-Schaltechnik
Georg Meyer-Keller
GmbH + Co. KG**
Kuntzestraße 72
73079 Süssen, Germany
T +49 7162 13-1
F +49 7162 13-288
info@noe.de
www.noe.de
www.noeplast.com

Austria
NOE-Schaltechnik
www.noe-schaltechnik.at
noe@noe-schaltechnik.at

Belgium
NOE-Bekistingstechniek n.v.
www.noe.be
info@noe.be

Brazil
Mills do Brasil
Estruturas e Serviços Ltda
www.mills.com.br
millsbr@cepa.com.br

Bulgaria
NOE-Schaltechnik
www.noebg.com
noe-bg@netbg.com

Croatia
NOE oplatna tehnika d.o.o.
www.noe.hr
noe@noe.hr

France
NOE-France
www.noe-france.fr
info@noefrance.fr

Netherlands
NOE-Bekistingstechniek b.v.
www.noe.nl
info@noe.nl

Poland
NOE-PL Sp. Zo.o.
www.noe.com.pl
noe@noe.com.pl

Russia
NOE Moskau
info@noe-moscow.ru

NOE St. Petersburg
noe@sovintel.ru

Saudi Arabia
Global NOE Trade Est.
NOE – The Formwork
www.noe.de
jeddah@noe.de

Serbia
NOE Sistemske Oplate d.o.o.
www.noe-scg.com
noe-scg@eunet.yu

Switzerland
NOE-Schaltechnik
www.noe.ch
info@noe.ch