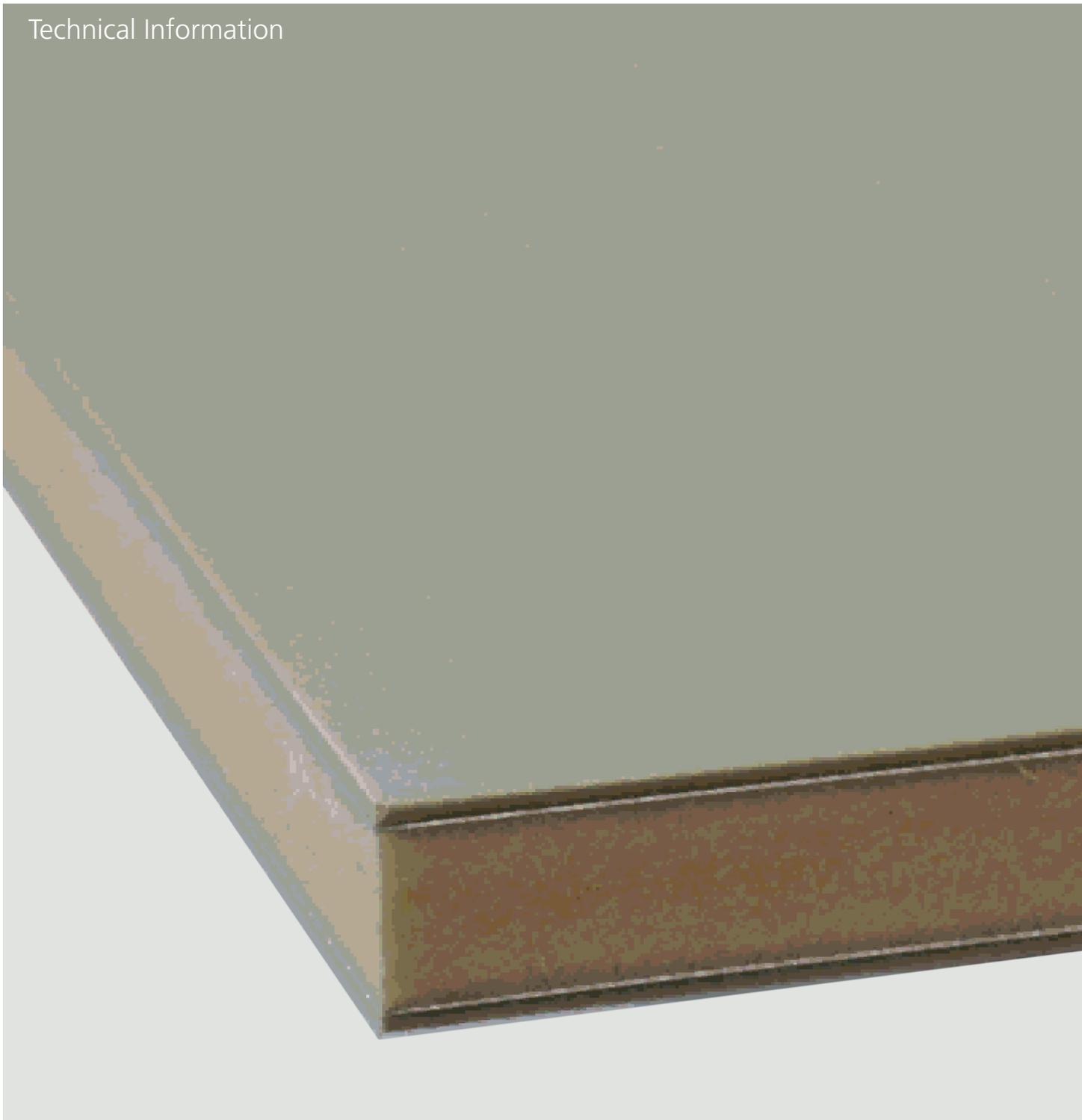


 **NOE** <sup>®</sup> **alkus**  
**formwork facing**

Date: 10.2019

Technical Information

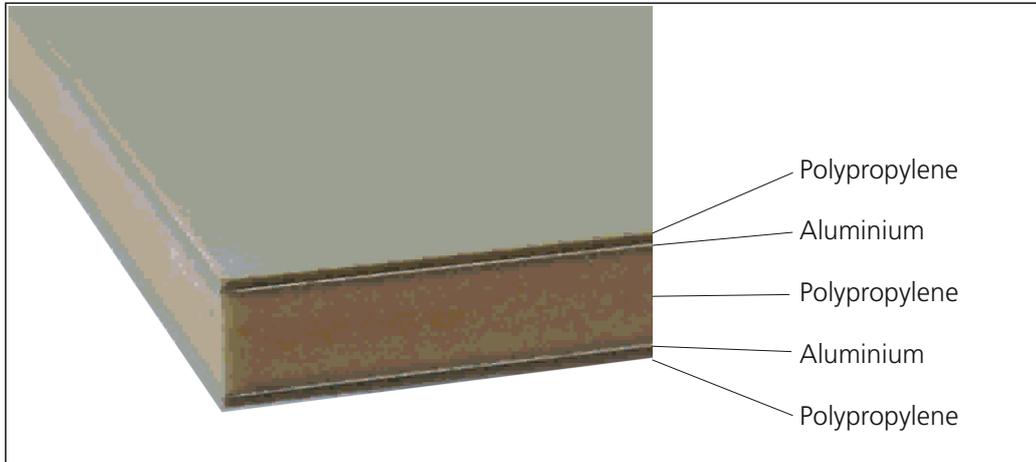


# NOE® alkus formwork facing



NOE alkus formwork facing alkus® fully synthetic board is an extremely durable synthetic composite product – and therefore a very cost-effective choice for formwork construction. The sandwich board is extremely strong, wear resistant and produces excellent fair-faced concrete surfaces.

alkus® AL fully synthetic board has a five-layer construction:



## ■ Not affected by penetrating moisture

No moisture absorption, no shrinkage, swelling or rotting, no rippling, UV resistant, and a long-term 7-year warranty of these properties

## ■ Board sizes and thicknesses to suit every application

alkus® fully synthetic boards are produced in a continuous process in different widths and thicknesses. They are cut and shaped to the customer's specification, including tie-rod holes, in the factory.

Large elements are welded together in the factory or several boards can be welded together directly on site by appropriately skilled personnel using the proper equipment

## ■ Fair-faced concrete without compromise

alkus® fully synthetic board allows virtually flush butt joints between elements and produces consistently excellent fair-faced concrete surfaces up to class SB 4

## ■ Economically efficient use over many years

alkus® fully synthetic board can be used over 1500 times

## ■ Repairable without loss of quality

alkus® fully synthetic board can be repaired using the same material as the original - whether scratches or holes, either just in the surface or completely through the board

## ■ Easy to use

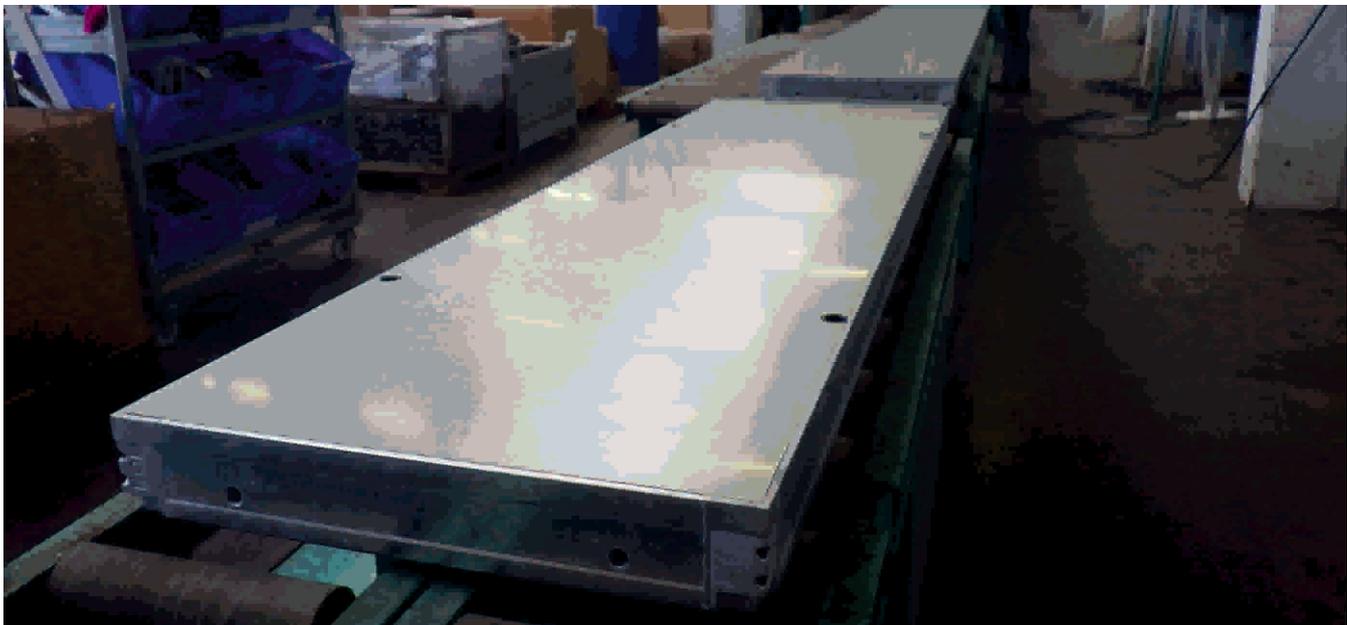
alkus® fully synthetic board can be nailed, screwed, drilled and sawn - just like wood

## ■ Easy, quick to clean

After use, alkus® fully synthetic board can be cleaned quickly and easily – even using high-pressure cleaners with rotating nozzles operating at up to 1000 bar

## ■ Ecological

alkus® fully synthetic board is 100 % recyclable



# NOE<sup>®</sup> alkus formwork facing



## Technical Information boards with Aluminum reinforcement

Board type		AL 10	AL 15	AL 22
General properties				
Thickness	mm	10	15	22
Standard format up to	mm	1370 x 4000		
Large format	mm	1370 x endlos		
Weight	kg/m <sup>2</sup>	8	11,5	15,5
E-modulus in bending (3-point) longitudinal and transverse at 21 °C	N/mm <sup>2</sup>	6650	5400	4600
Bending stress longitudinal and transverse at 21 °C	N/mm <sup>2</sup>	45	37	40
Shear strength	N/mm <sup>2</sup>	>6		
Thermal properties				
Thermal conductivity	W/mK	0.13		
Coefficient of longitudinal expansion (thermal) (-23° C - 50° C), (10EXP-6 m/(mK))		42 Example: If the facing's temperature rises by 20 °C, it expands by 0.84 mm/m		
Operating temperature range		-20° C bis +90° C		
Miscellaneous properties				
Water absorption		0%		
Suitability for nailing		Comparable with phenolic resin-coated timber boards		
Surface hardness		68		
Behaviour in fire		B2		





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