

## **PRESS RELEASE**

### **Cobias to demonstrate the lightness of reinforced concrete at the BAU 2017**

Visitors to the BAU 2017 trade fair can experience the unique combination of lightweight void formers made of recycled plastic and solid concrete in Hall A1, Booth 127.

Since 2016, Heinze Cobias Deutschland GmbH has been part of the Heinze Group, a group of leading companies from plastics technology which are active both nationally and internationally.

The patented and proven technology for replacing heavy concrete where it is definitely not required is continuously undergoing development. Through the integration into the Heinze Group, product optimisations and system innovations can be implemented more rapidly and in a more targeted manner, because, amongst other things, the Heinze Group possesses its own mould and tool construction company and contributes its many years of experience in injection moulding technology.

#### **The trick with the click**

Amongst other things, Cobias will use the international construction trade fair to present the product optimisations in the "Slim-Line" product line.

The name of the "Slim-Line-Click" product already reveals in part the optimisations conducted.

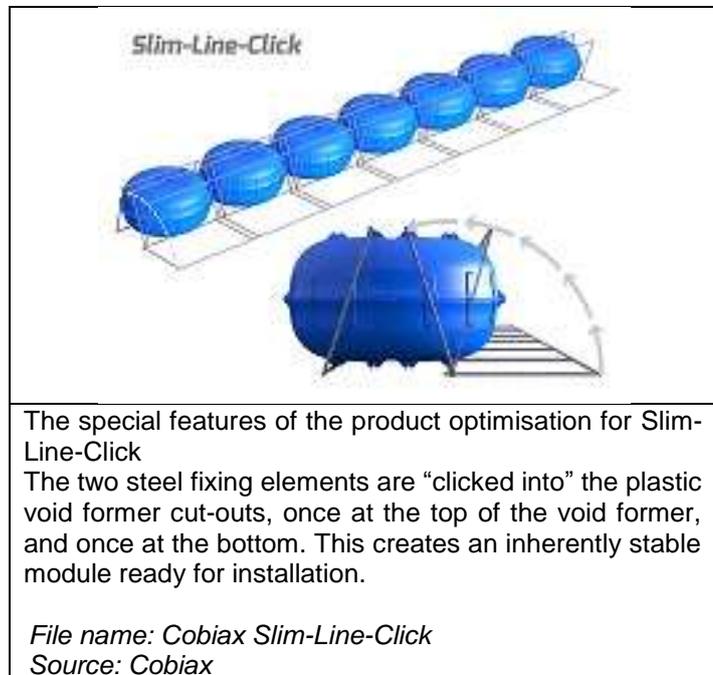
The two plastic half shells are, as previously, simply pushed together to form a closed plastic void former. However, the surface of the "Slim-Line-Click" product line has experienced major optimisation, so that two fixing elements made of reinforcement are sufficient to make a void former module unit.

The two fixing elements are each "clicked into" the top and bottom of the plastic void former. As a result, a stable module which is ready for use is created.

Due to this Click system, significant advantages result in handling, logistics, and also in material reduction: the plastic shells can be transported nested into each other, thus substantially reducing the freight volume. The fixing elements are now only two-dimensional, and no longer require transverse con-

nections, which reduces the required amount of reinforced steel and the complexity, and therefore also the price.

The final assembly is simplified, so that it can even be completed on construction sites or for preparation in the construction yard.



### **Lightweight and efficient makes a great impression**

The development of the “Slim-Line” product line was supported as a research project by the Federal Ministry of Economics and Technology based on a decision passed by the German Federal Parliament. The cooperation project was assessed as a ZIM project example of success.

“Slim-Line-Click” represents the consistent further development of the “Slim-Line” with optimised characteristics.

Using the “Slim-Line” product line, particularly slim concrete slab constructions can be realised from 20 cm in thickness. Voided flat slab modules are offered in this product line for slab thicknesses up to 56 cm.

**Anlagen**


**3.2 Anwendungsdatenblatt (AWDB) Slim-Line cClick Hohlkörpermodule**  
Hohlkörper+Hallekorb+Hohlkörpermodul



Slim-Line cClick	DSCM:	Ø											
		Ø10	Ø12	Ø14	Ø16	Ø18	Ø20	Ø22	Ø24	Ø26			
1. Hohlkörper (Material PE-HD bzw. PP)													
2. Hohlkörperhöhe	$\Sigma_{\text{Hoh}}$ cm	10	12	14	16	18	20	22	24	26			
3. Hohlkörperdurchmesser	cm	31,5											
4. Hohlkörperolumen	dm <sup>3</sup> /Stk	6,470	7,850	9,238	10,626	12,014	13,402	14,790	16,178	17,566			
5. min. Achsabstand der Hohlkörperreihen	ei cm	35											
6. min. Achsabstand der Hohlkörperquer	ei cm	35											
7. Hohlkörper je Quadratmeter	Stk/m <sup>2</sup>	8,16											
8. zugehörige Fläche je Hohlkörper	m <sup>2</sup> /Stk	0,1225											

Extract from the Technology Manual by Heinze Cobix Deutschland GmbH on the “Slim-Line-Click” product family.

*File name: Cobix Auszug Technologiehandbuch*  
*Source: Cobix*

Based on calculation examples, sales engineers record how uncomplicated it is to produce a statics verification. Numerous installation examples for all feasible structural engineering projects in the field of new construction, modernisation and renovation represent an effective system for the wide-ranging optimisation of structural engineering projects.



At the BAU 2017, Cobix will be presenting the product lines “Eco-Line”, “Slim-Line” and the “Slim-Line-Click” product optimisation. The ease of handling and the diverse possibilities for use and savings potentials will be demonstrated based on numerous project examples.

*File name: Cobix Messestand RED*  
*Source: Cobix*

### Competitions, prizes, certificates and approvals as objective proofs

The patented technology has been internationally researched, tried and tested in many and various ways, and holds the general building authority ap-



proval no. Z-15.1-282 for the “Eco-Line” product line and the certification number Z-15.1-307 for the “Slim-Line” product line.

In comparison to a conventionally-constructed and produced reinforced concrete slab, the use of the Cobias technology can verifiably reduce material consumption, in particular regarding concrete and thus environmentally-toxic pollutant emissions such as CO<sub>2</sub> by up to 20%. Here the effect caused by the reduction of dead weight on the complete supporting structure right down to the foundations and the related further savings on the material have not yet been taken into account.

This major reduction in construction materials - triggered by the plastic void former modules made of recycled material – has an extensive influence on today’s conventional sustainability certifications for modern properties.

In the case of a project which for example has to be certified acc. DGNB, LEED or BREEAM, the use of the Cobias technology means that the decisive ecological system advantages of Cobias can be integrated into the assessment to assist in achieving the required target.



Competitions, prizes, certifications and the building authorities approvals are objective proofs of a simply ingenious method of construction.

*File name: Cobias Awards*

*Source: Cobias*

For the integration of these positive values of the ecological system properties of Cobias Technology into a sustainability certificate, the lifecycle analysis (LCA) and the environmental product declaration (EPD) can be requested from Heinze Cobias Deutschland GmbH.

**Photo, Caption**



The two Managing Directors, Dr.-Ing. Karsten Pfeffer (left) and Dipl.-Ing. Volkmar Wanninger (right) will also demonstrate the simplicity and lightness of the ingenious Cobias technology at the BAU 2017.

Both Managing Directors are looking optimistically into the future – after all, up to now more than 10 million square metres of Cobias voided flat slabs have already been realised, and thus over 1.5 million tonnes less concrete were used. And the demand is increasing rapidly.

*File name: Cobias Wanninger Pfeffer  
Source: Cobias*

**Keywords**

BAU 2017, Cobias, Eco-Line, Slim-Line, product optimisation, Slim-Line-Click, Heinze Cobias Deutschland, Cobias technology, Cobias voided flat slabs, lifecycle analysis, LCA, Environmental Product Declaration, EPD, DGNB, LEED, BREEAM,

[All files available in print quality.](#)  
[The graphics files and the Word document can be downloaded under \[www.pr-club.creativ-pr.de24\]\(http://www.pr-club.creativ-pr.de24\), Menu: \[cobi-ax\]\(#\).](#)

This “Editorial platform” is not indexed and serves exclusively as an information pool for the Editorial Staff.

**Copyright Text:** PR-Büro & Redaktionsservice, (PR Office and Editorial Service)  
Dipl.-Ing./Ma.-Kfm. Dietmar Haucke

**Company information:**

Heinze Cobias Deutschland GmbH  
Dipl.-Ing. Volkmar Wanninger  
Managing Director  
Otto-von-Guericke-Ring 10  
D-65205 Wiesbaden  
Germany

Tel +49 6122 918 45 00  
Mmail [info.de@cobias.com](mailto:info.de@cobias.com)

A company belonging to the Heinz Group  
[www.cobias.com](http://www.cobias.com)  
[www.heinze-gruppe.de](http://www.heinze-gruppe.de)



Copy print and online **free**.

CobiAx has obtained consent from all those concerned for the publication of images, names and texts.

The report has NOT been released for social media channels.

Please send a receipt to both addresses.

**In case of further press information requirements and queries:**

Büro für Fachjournalismus, PR & Redaktionsservice  
(Office for Specialist Journalism, PR & Editorial Service)

Dipl.-Ing./Ma.Kfm. Dietmar Haucke

PO Box 15 59

D-56139 Boppard

Germany

Tel.: +49 6742 80 676 76

Mobile: +49 163 64 34 0 66

Mail: [creativ-pr@creativ-pr.de](mailto:creativ-pr@creativ-pr.de)

[www.creativ-pr24.de](http://www.creativ-pr24.de)