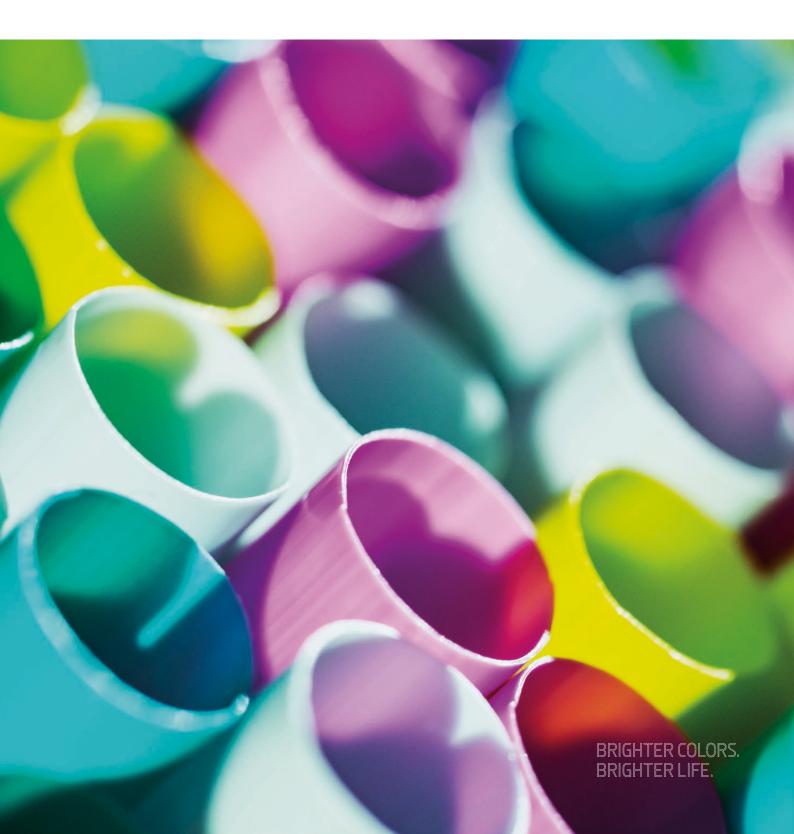


# HEUCOPLAST™ COLORING OF RIGID PVC









# Coloring PVC

PVC is used in a large number of indoor and These preparations often contain specially outdoor applications.

fastness and processing properties with ex- and the colors. cellent cost efficiency.

Most PVC-products in the building industry HEUCOPLAST™ a PVC based powder prepa-

The producers use tailor made pigment pre- the customer's proprietary color. parations to allow an efficient production of pipes or profiles in many different colors.

designed carrier systems that allow easy Especially rigid PVC offers a combination of flowing and mixing of the base compounds

are colored, either with TiO<sub>2</sub> or color pig-ration for the coloration of rigid PVC, mainly tailor made and used to tint white profiles in

#### **HEUCOPLAST**<sup>TM</sup>

**Production Process** 

# Professional shading of rigid PVC

HEUCOPLAST™ is a ready to use pigment preparation for the coloration of rigid PVC, consisting of organic and/or inorganic pigments as well as PVC powder. The color shades of the HEUCOPLAST™™grades are in most cases customer – tailored matches which have been developed with respect to the individual PVC – compound proper-



# **Product Properties**

As opposed to most powder colorants, the The dosage depends, of course, on the final colors are available. application and required color shades, but it technology to a unique finishing procedure is usually in the range of 0.1 to 1.0 parts per hundred.

#### Product Range

Several **HEUCOPLAST™** grades have been preparations show good flowability and do specially developed for the shading of white not show a tendency to dust therefore ena- window profiles. They contain a reduced pigbling easy dosing and handling. Even direct ment loading, enabling accurate dosing of dosing at the extruder is possible since pre- even very small amounts. Particularly for this mixing is not necessary in each application. purpose black, blue and violet HEUCOPLAST™



The manufacturing process combines state-

of-the-art high volume mixers and milling





Full Shade 1)	HEUCOPLAST™	RAL (appr.)	Color	Light Fastness of Pigment	Base	
					organic	inorganic
	190 53 SE *	-	Yellow	7 - 8		X
	490 01 SE	-	Violet	7 - 8		Χ
	590 11 SE	-	Blue	7 - 8		Χ
	590 12 SE	-	Blue	7 - 8		Х
	690 15 *	-	Green	7 - 8	Х	X
	990 23	-	Black	7 - 8	Х	
	990 02	-	Black	7 - 8	Χ	

\* Further customized shades are available on demand. / 1) Full shade measured in Ca/Zn compound with 5% pigmentation.

Examples of shading in a Ca/Zn stabilized compound (6% TiO<sub>2</sub>)

High variety of white. Create your own white.

#### **Shading Examples**

Streeting Exemples											
HEUCOPLAST™	Ca / Zn compound, + 0.1% of pigment	Δ L*	∆ a*	Δ b*	Ca / Zn compound, + 0.2% of pigment	Δ L*	<b>∆</b> a*	Δ b*			
190 53 <b>SE</b> *		-	- 0.3	+ 0.7		-	- 0.4	+ 1.2			
490 01 SE		- 0.8	+ 0.4	- 0.9		- 1.5	+ 0.8	- 1.8			
590 12 SE		- 2.0	- 1.2	- 3.3		- 3.3	- 1.7	- 5.4			
690 15 *		- 0.3	- 1.0	- 0.2		- 0.5	- 1.8	- 0.5			
990 33 SE		- 2.0		- 0.7		- 3.7	-	- 1.1			

\* Customized products. Further shades are available on demand.

Our Products



# Custom solutions to color raw polymer

Heubach tailor-made colors are pigment Heubach tailor-made color solutions open preparations that have been specifically pre- up design options for plastic manufacturers, pared for compounders, formulators and producers and processors, enabling them extruders. These come in the form of master to enhance the performance of their plastic batch micro-granules and are suitable for a products both in terms of visual impact and wide range of plastic applications, including user benefits. With support provided from window profiles and pipes. This custom pig- the laboratory through to final production, ment solution enables processors to color customers are able to leverage Heubach's raw polymer efficiently at a reduced cost.

# Global expertise in matching colors

With globally active production facilities and service centers, Heubach is able to develop pigment preparations to suit its customers' specific needs. For pipes alone, Heubach can provide over 200 colorants. This depth, combined with its ability to match colors on the basis of detailed pigment analyses, enables Heubach to supply its customers with precisely matched solutions within short periods of time.

# More performance for your plastics

extensive expertise to maximize process efficiency as well as end results.







#### **HEUBACH GROUP**

Marketing And Sales Plastics Phone +49 5326 520 (Germany)

de.sales@heubachcolor.com www.heubach.com

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