

WACKER

CREATING TOMORROW'S SOLUTIONS



ELASTOSIL®

SILICONE RUBBER | ELASTOSIL® COLOR PASTES FL & PT

ADD A SPLASH OF COLOR
TO YOUR SILICONES



COLOR COMPOUNDING WITH READY-TO-USE MASTERBATCHES

ELASTOSIL® COLOR PASTES from WACKER are ready-to-use masterbatches comprising specific pigments and reactive silicone polymers that are commonly used to produce ELASTOSIL® liquid silicone rubber.

This ensures homogeneous covulcanization of the color paste and the elastomer without significant impairment of the physical properties (e.g. hardness) and without

the migration that can be seen in color-paste systems based on silicone fluid.

In addition, our ELASTOSIL® COLOR PASTES FL are based on the same low-volatile polymers as our ELASTOSIL® LR grades produced in Burghausen. This ensures the finished rubber goods have a low volatile content with good results in migration testing (e.g. Tenax® testing) – in many cases even without post-cure.

Note

Should you require a particular color shade not covered by this portfolio or a version having broader approval (e.g. with respect to food contact or biocompatibility), we are happy to check whether a special formulation is possible. The availability in regions may differ. Please contact our sales colleagues.

ELASTOSIL® COLOR PASTES FL

Standard Color Pastes					
Product Name	Similar to RAL ¹ / BfR ² Suffix	FDA ³	USP Class VI / ISO 10933 ⁴		
ELASTOSIL® COLOR PASTE FL YELLOW	RAL 1006	●	A-H		
ELASTOSIL® COLOR PASTE FL IVORY	RAL 1014		A-H		
ELASTOSIL® COLOR PASTE FL YELLOW	RAL 1016	●	A-H	●	
ELASTOSIL® COLOR PASTE FL YELLOW	RAL 1021	●	B-H		
ELASTOSIL® COLOR PASTE FL YELLOW	RAL 1026				
ELASTOSIL® COLOR PASTE FL YELLOW	RAL 1026 F	●	C-H	●	
ELASTOSIL® COLOR PASTE FL YELLOW	RAL 1033	●	B-H		
ELASTOSIL® COLOR PASTE FL RED BROWN	RAL 2001	●	A-H		
ELASTOSIL® COLOR PASTE FL ORANGE	RAL 2004	●			
ELASTOSIL® COLOR PASTE FL ORANGE	RAL 2004 F	●	B-H	●	
ELASTOSIL® COLOR PASTE FL RED	RAL 3000				
ELASTOSIL® COLOR PASTE FL RED	RAL 3000 F	●	C-H	●	
ELASTOSIL® COLOR PASTE FL RED IRON OXIDE	RAL 3013	●	A-H	●	
ELASTOSIL® COLOR PASTE FL RED	RAL 3020	●	B-H	●	
ELASTOSIL® COLOR PASTE FL RASPBERRY RED	RAL 3027	●	A-H		
ELASTOSIL® COLOR PASTE FL RED VIOLET	RAL 4002	●	A-H	●	
ELASTOSIL® COLOR PASTE FL ULTRAMARINE BLUE	RAL 5002	●	A-H	●	
ELASTOSIL® COLOR PASTE FL DARK BLUE	RAL 5010	●	A-H	●	
ELASTOSIL® COLOR PASTE FL LIGHT BLUE	RAL 5015	●			
ELASTOSIL® COLOR PASTE FL LIGHT BLUE	RAL 5015 F	●	A-H	●	
ELASTOSIL® COLOR PASTE FL BLUE	RAL 5022	●	A-H	●	
ELASTOSIL® COLOR PASTE FL HELIOGREEN	RAL 6004	●	A-H	●	
ELASTOSIL® COLOR PASTE FL GREEN	RAL 6010	●	A-H	●	
ELASTOSIL® COLOR PASTE FL GRAY	RAL 7000	●			
ELASTOSIL® COLOR PASTE FL GRAY	RAL 7012	●			
ELASTOSIL® COLOR PASTE FL GRAY	RAL 7040	●			
ELASTOSIL® COLOR PASTE FL DEEP BLACK	RAL 9005	●			
ELASTOSIL® COLOR PASTE FL BLACK	RAL 9005 F	●	A-H	●	
ELASTOSIL® COLOR PASTE FL DEEP BLACK	RAL 9011	●	A-H	●	
ELASTOSIL® COLOR PASTE FL SILVER	RAL 9006	●	A-H		
ELASTOSIL® COLOR PASTE FL WHITE	RAL 9010	●	A-H	●	
ELASTOSIL® COLOR PASTE FL TRAFFIC WHITE	RAL 9016	●	A-H	●	
ELASTOSIL® COLOR PASTE FL UV FLUORESCENT	–				
ELASTOSIL® COLOR PASTE FL LASER MARKING WHITE	–	●	A-H		
ELASTOSIL® COLOR PASTE FL LASER MARKING BLACK	–	●	C-H		

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- 1) The RAL values in the table are intended as a guide.
- 2) Complies with the requirements of BfR recommendations "XV. Silicones" and „IX. Colorants for Plastics and other Polymers Used in Commodities“ (For details see the actual issue of our Product Compliance Sheet or the separate Food Contact Statement of the respective ELASTOSIL® COLOR PASTE.)
- 3) Complies with the requirements of FDA regulation CFR 21 §177.2600 „Rubber Articles Intended for Repeated Use“. Use condition see table 2 in 21 CFR§176.170 (c). Further limits, e.g. with respect to maximum allowed dosage may occur. (For details see the actual issue of our Product Compliance Sheet or the separate Food Contact Statement of the respective ELASTOSIL® COLOR PASTE).
- 4) USP<88> class VI and selected tests according to ISO 10993. For statements regarding the biocompatibility of our ELASTOSIL® COLOR PASTES FL and PT, please contact our technical service department.

Safety Notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets and Technical Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER website www.wacker.com. The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.

Special Color Pastes

Product Name	Similar to RAL ¹ / BfR ² Suffix	FDA ³	USP Class VI / ISO 10933 ⁴	
ELASTOSIL® COLOR PASTE FL ZINC YELLOW	RAL 1018 ●	C-H		
ELASTOSIL® COLOR PASTE FL BLOOD ORANGE	RAL 2002 K1 ●	B-H ●		
ELASTOSIL® COLOR PASTE FL BLUE LILAC	RAL 4005 K1 ●	A-H ●		
ELASTOSIL® COLOR PASTE FL VIOLET	RAL 4007 ●	B-H ●		
ELASTOSIL® COLOR PASTE FL LIGHT BLUE	RAL 5012 K1 ●	A-H ●		
ELASTOSIL® COLOR PASTE FL MAY GREEN	RAL 6017 K1 ●	C-H ●		
ELASTOSIL® COLOR PASTE FL YELLOW GREEN	RAL 6018 ●	C-H ●		
ELASTOSIL® COLOR PASTE FL LIGHTGREEN	RAL 6027 ●	A-H		
ELASTOSIL® COLOR PASTE FL PINE GREEN	RAL 6028 ●	C-H ●		
ELASTOSIL® COLOR PASTE FL SIGNAL GREEN	RAL 6032 C ●	C-H ●		
ELASTOSIL® COLOR PASTE FL SQUIRREL GRAY	RAL 7000 K2 ●	A-H ●		
ELASTOSIL® COLOR PASTE FL IRON GRAY	RAL 7011			
ELASTOSIL® COLOR PASTE FL GRAY	RAL 7021 ●	A-H ●		
ELASTOSIL® COLOR PASTE FL LIGHT GRAY	RAL 7035 K1 ●	A-H ●		
ELASTOSIL® COLOR PASTE FL DUST GRAY	RAL 7037 ●	A-H ●		
ELASTOSIL® COLOR PASTE FL WINDOW GRAY	RAL 7040 K1 ●	A-H ●		
ELASTOSIL® COLOR PASTE FL GRAY	RAL 7042			
ELASTOSIL® COLOR PASTE FL OCHRE BROWN	RAL 8001 ●	A-H		
ELASTOSIL® COLOR PASTE FL PAPYRUS WHITE	RAL 9018 ●	B-H		
ELASTOSIL® COLOR PASTE FL ORANGE	RAL 050 60 80 ●	B-H ●		
ELASTOSIL® COLOR PASTE FL IVORY	RAL 090 80 30 ●	A-H		
ELASTOSIL® COLOR PASTE FL HYGIENE GREEN	RAL 190 70 30 ●	B-H ●		
ELASTOSIL® COLOR PASTE FL LIGHT BLUE	RAL 210 70 30 ●	A-H ●		
ELASTOSIL® COLOR PASTE FL BLUE LILAC	RAL 230 50 40 ●	A-H ●		
ELASTOSIL® COLOR PASTE FL LIGHT BLUE	RAL 260 80 15 ●	A-H ●		
ELASTOSIL® COLOR PASTE FL PINK	RAL 360 40 50 ●	C-H ●		

Translucent and Other Diluted Color Pastes

Product Name	Similar to RAL ¹ / BfR ² Suffix	FDA ³	USP Class VI / ISO 10933 ⁴
ELASTOSIL® COLOR PASTE FL BLUE 5026 D	●	A-H	●
ELASTOSIL® COLOR PASTE FL BLUE 5002 TRANSLUCENT	●	A-H	●
ELASTOSIL® COLOR PASTE FL ICEBLUE 34070	●	A-H	●

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ELASTOSIL® COLOR PASTES PT

Standard Color Pastes					
Product Name	Similar to RAL ¹ / BfR ² Suffix	FDA ³	USP Class VI / ISO 10933 ⁴		
ELASTOSIL® COLOR PASTE PT YELLOW	RAL 1016	●	B-H	●	
ELASTOSIL® COLOR PASTE PT YELLOW	RAL 1021	●	B-H		
ELASTOSIL® COLOR PASTE PT YELLOW	RAL 1026 F	●	C-H	●	
ELASTOSIL® COLOR PASTE PT YELLOW	RAL 1033	●	B-H		
ELASTOSIL® COLOR PASTE PT ORANGE	RAL 2004	●			
ELASTOSIL® COLOR PASTE PT ORANGE	RAL 2004 F	●	B-H	●	
ELASTOSIL® COLOR PASTE PT RED	RAL 3000				
ELASTOSIL® COLOR PASTE PT RED	RAL 3000 F	●	C-H	●	
ELASTOSIL® COLOR PASTE PT RED BROWN	RAL 3013	●	A-H	●	
ELASTOSIL® COLOR PASTE PT TRAFFIC RED	RAL 3020	●	B-H	●	
ELASTOSIL® COLOR PASTE PT VIOLET	RAL 4001				
ELASTOSIL® COLOR PASTE PT RED VIOLET	RAL 4002	●	A-H	●	
ELASTOSIL® COLOR PASTE PT ULTRAMARINE BLUE	RAL 5002	●	A-H	●	
ELASTOSIL® COLOR PASTE PT DARK BLUE	RAL 5010	●	A-H	●	
ELASTOSIL® COLOR PASTE PT LIGHT BLUE	RAL 5015	●			
ELASTOSIL® COLOR PASTE PT BLUE	RAL 5022	●	A-H	●	
ELASTOSIL® COLOR PASTE PT HELIOGREEN	RAL 6004	●	A-H	●	
ELASTOSIL® COLOR PASTE PT GREEN	RAL 6017	●	A-H	●	
ELASTOSIL® COLOR PASTE PT TRAFFIC GREEN	RAL 6024	●	A-H		
ELASTOSIL® COLOR PASTE PT GREEN	RAL 6032 F	●	A-H		
ELASTOSIL® COLOR PASTE PT GRAY	RAL 7040	●	A-H		
ELASTOSIL® COLOR PASTE PT LIGHT BROWN	RAL 8003	●			
ELASTOSIL® COLOR PASTE PT DARK BROWN	RAL 8015	●			
ELASTOSIL® COLOR PASTE PT DEEP BLACK	RAL 9005 ⁵	●	A-H	●	
ELASTOSIL® COLOR PASTE PT SILVER	RAL 9006	●	A-H		
ELASTOSIL® COLOR PASTE PT WHITE	RAL 9010	●	A-H	●	
ELASTOSIL® COLOR PASTE PT TRAFFIC WHITE	RAL 9016	●	A-H	●	
ELASTOSIL® COLOR PASTE PT BLACK	RAL 9011 F	●	A-H	●	
ELASTOSIL® COLOR PASTE PT BLACK	RAL 9017	●	A-H		
ELASTOSIL® COLOR PASTE PT UNIVERSAL BLACK	-				
ELASTOSIL® COLOR PASTE PT LASER MARKING WHITE	-	●	A-H		
ELASTOSIL® COLOR PASTE PT LASER MARKING BLACK	-	●	C-H		

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- 1) The RAL values are intended as a guide.
- 2) Complies with the requirements of BfR recommendations "XV. Silicones" and „IX. Colorants for Plastics and other Polymers Used in Commodities" (For details see the actual issue of our Product Compliance Sheet or the separate Food Contact Statement of the respective ELASTOSIL® COLOR PASTE.)
- 3) Complies with the requirements of FDA regulation CFR 21 §177.2600 „Rubber Articles Intended for Repeated Use". Use condition see table 2 in 21 CFR§176.170 (c). Further limits, e.g. with respect to maximum allowed dosage may occur. (For details see the actual issue of our Product Compliance Sheet or the separate Food Contact Statement of the respective ELASTOSIL® COLOR PASTE).
- 4) USP<88> class VI and selected tests according to ISO 10993. For statements regarding the biocompatibility of our ELASTOSIL® COLOR PASTES FL and PT, please contact our technical service department.
- 5) Not suitable for use with Crosslinker E and E2.

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PRODUCT OVERVIEW

ELASTOSIL® COLOR PASTE FL

ELASTOSIL® Color Paste FL					
	Similar to RAL*		BfR	FDA	Conditions of use
Standard colors					
Yellow	RAL 1016		●	● ²⁾	Use B-H**
Red iron oxide	RAL 3013		●	●	
Blue	RAL 5022		●	●	
White	RAL 9010		●	●	
Deep black	RAL 9011		●	● ³⁾	
Other colors					
Yellow	RAL 1006		●	●	
Ivory	RAL 1014			●	
Yellow	RAL 1021		●	● ³⁾	Use B-H**
Yellow	RAL 1026		●		
Yellow	RAL 1026 F		●	● ³⁾	Use C-H**
Yellow	RAL 1033		●	●	Use B-H**
Red-brown	RAL 2001		●	●	
Orange	RAL 2004		●		
Orange	RAL 2004 F		●	● ⁴⁾	Use B-H**
Dark red	RAL 3000				
Red	RAL 3020		●	● ⁴⁾	Use B-H**
Red violet	RAL 4002		●	● ¹⁾	
Blue	RAL 5002		●	●	
Dark blue	RAL 5010		●	● ⁵⁾	
Light blue	RAL 5015		●		
Light blue	RAL 5015 F		●	●	
Heliogreen	RAL 6004		●	●	
Green	RAL 6010		●	● ⁵⁾	
Gray	RAL 7000		●		
Deep black	RAL 9005		●		
Black	RAL 9005 F		●	●	
UV fluorescent	n.a.				

- Complies with the requirements of BfR Recommendation IX "Pigments for coloring plastics" and of FDA regulation CFR 21 § 177.2600 "Rubber Articles Intended for Repeated Use" when the maximum quantity limits are respected.
- * The RAL values shown in the table are only intended as a guide and should not be used in preparing specifications.
- ** Refer to 21 CFR §176.170 (c) (4–1–05 Edition), www.fda.gov

- 1) maximum quantity: 1 weight-%
- 2) maximum quantity: 3 weight-%
- 3) maximum quantity: 4 weight-%
- 4) maximum quantity: 5 weight-%
- 5) maximum quantity: 10 weight-%

The ELASTOSIL® COLOR PASTE FL products show temperature resistance of at least 42 d / 175 °C or 21 d / 200 °C and UV-resistance for at least 21 d (continuous exposure in UV weathering chamber).

ELASTOSIL® is a registered trademark of Wacker Chemie AG.

Wacker Chemie AG

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