

General information:							
Type of product:	Material type: Cold Spray Plastic, type I or type II Product name: PlastiRoute® CSP – 2C (98:2) or (50:50) Product number: 58819991 Colour: All colours						
Product description:	PlastiRoute® CSP is a sprayable, Solvent-free 2 component cold spray plastic for road markings. By using our verified drop-on beads and InjectLine® & Intermix® particles, PlastiRoute® CSP will yield type I or type II markings, as accredited by many certificates. Material consists of: <table border="0" style="margin-left: 20px;"> <tr> <td>Min.</td> <td>Percentage organic compounds (binders) 22 M.-%</td> </tr> <tr> <td>Approx.</td> <td>Percentage inorganic compounds (ash content, fillers, glass beads) 68 M.-%</td> </tr> <tr> <td>Approx.</td> <td>Titan dioxide 10,0 M.-%</td> </tr> </table>	Min.	Percentage organic compounds (binders) 22 M.-%	Approx.	Percentage inorganic compounds (ash content, fillers, glass beads) 68 M.-%	Approx.	Titan dioxide 10,0 M.-%
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To be used on:	It's recommended for permanent markings on asphalt and concrete where high traffic loads occur, and for any type of road in countries with high temperature.						
Safety and environment:	Free from toxic heavy metals or their compositions. Free from aromatic hydrocarbons. Not dangerous for the people safety or health. Environmental friendly, More information in the product MSDS.						
References:	NAF (France), BAST (Germany), DOT (U.A.E), ATG (Belgium),KIWA (Holland)						
Guarantee/lifetime:	Approx. 3 years						

Specific information:	
Spec. gravity (Density):	1.6 ± 0,05 kg/l.
Consumption:	1200 µm = 0,48 kg/m ² CSP + 0,35 Kg/m ² rain beads + 0,45 Kg/m ² normal beads. 1400 µm = 0,96 kg/m ² CSP + 0,35 Kg/m ² rain beads + 0,45 Kg/m ² normal beads.
Initiator/ Mixing Ratio	Liquid peroxide 1,5 – 2,0 % wt Powder peroxide 1,2- 1,6 % wt
Application :	By big machine for big distance, small spray machine for small areas. The material must be stirred until homogeneous. CSP-2C is mixed directly with = 1,7% wt liquid peroxide initiator. When mixed with peroxide initiator, the curing process starts immediately! → Pot-life at room temperature 3 minutes, higher temperature reduces the pot-life. Whenever the application is stopped, application equipment has to be cleaned from reactive cold spray plastic mixture immediately. Curing time: 5 to10 Min. depending on the weather temperature. Application requirement: the paint is designed for application with airless

	<p>road marking equipment especially for Cold spray plastic.</p> <p>Application requirement: air temperature 5 – 45°C Surface temperature 5 – 80°C</p>																					
Grain size distribution	<p>According to DIN EN 1424 and AASHTO M 247-11 [M.-%]</p> <table border="1"> <thead> <tr> <th>Test sieves (ISO 565 R40/3) [µm]</th> <th>Sieve / rate of passage [M.-%]</th> <th>Requirement according to AASHTO M 247-11 [M.-%]</th> </tr> </thead> <tbody> <tr> <td>1180</td> <td>100</td> <td>100</td> </tr> <tr> <td>850</td> <td>99,8</td> <td>95 - 100</td> </tr> <tr> <td>600</td> <td>90,3</td> <td>75 - 95</td> </tr> <tr> <td>300</td> <td>24,6</td> <td>15 - 35</td> </tr> <tr> <td>180</td> <td>0,9</td> <td>-</td> </tr> <tr> <td>150</td> <td>0,2</td> <td>0 - 5</td> </tr> </tbody> </table>	Test sieves (ISO 565 R40/3) [µm]	Sieve / rate of passage [M.-%]	Requirement according to AASHTO M 247-11 [M.-%]	1180	100	100	850	99,8	95 - 100	600	90,3	75 - 95	300	24,6	15 - 35	180	0,9	-	150	0,2	0 - 5
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Dry Residue	≥ 99%																					
Friction:	<p>Newly 60 PTV. After wear and tear typically: 60-55 PTV.</p>																					
Retro-reflectivity:	<p>Newly installed: >200 mcd/m². After wear and tear: >150 mcd/m².</p>																					
Luminance factor β	LF 6 (≥0,80)																					
Cracking	No cracking																					
Viscosity	30 - 50 s																					
Soften point	No soften point																					
Packaging:	Metal bucket with 38,8 Kg and steel container with 1350 kg net wt.																					
Storage:	<p>12 months unbroken, under proper storage conditions:</p> <p>Store in lightly closed original containers in a dry, well ventilated room at temperatures between 5 – 30°C. not directly on the floor and not in the vicinity of heating radiators.</p> <p>Please note that the material can show a tendency sedimentation during transport and storage. After having been stirred-up homogeneously, the material will be ready for use again.</p>																					