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|  | www.teknos.com | | |
| PRODUCT NAME 02 17.05.2017 | TEKNODUR 9202-10 2K- Polyurethanetopcoat | | |
| PRODUCT DESCRIPTION | TEKNODUR 9202-10 is a two-pack polyurethanetopcoat. The hardener is an aliphatic isocyanate resin. | | |
| INTENDED USE | TEKNODUR 9202-10 is a high quality und versatile topcoat. | | |
| SOCIAL CHARACTERISTICS OF THE COATING | TEKNODUR 9202-10 is a semi-gloss Polyurethanetopcoat with a very good adhesion on Teknodur Primer 3420 / 3420-01 or 3422 and also on steel-, zinc and aluminium surfaces. It has an excellent corrosion control and a high finish quality and also a good weather resistance. | | |
| TECHNICAL DATA | | | |
| Mixing ratio | Regular colour (Comp. A): Hardener (Comp.B): TEKNODUR HARDENER 7500 Hardener (Comp.B): TEKNODUR HARDENER 7255-10 (quicker drying) | 10 by vol. 1 by vol. 1 by vol. | 11 by weight 1 by weight 1 by weight |
| Potlife at 23°C | >4 h | | |
| Solid content | 52±2 by weight.-% 42±2 by volume.-% | | |
| Density | 1,1 g/cm ³ | | |
| Volatile organic compound (VOC) | ca. 520 g/l | | |
| Recommended film thickness and theoretical spreading rate | dry film (µm) | wet film (µm) | Theoretical spreading rate (m ² /kg) |
| | 40 | 100 | 9,1 |
| | As many of the paint's properties will change if too thick coats are applied, it is not recommended that the product is applied to a film thickness that is more than double of the thickest recommended film. | | |
| Practical spreading rate | The values depend on application technique, surface conditions, overspray, etc. | | |
| Drying time, +23°C / 50 % RH (dry film thickness 40 µm) | | | |
| <ul style="list-style-type: none"> - hardener - dust dry (ISO 1517:1973) - touch dry (DIN 53150:1995) - drying condition | 7500 after 30 min after 8 h 60 °C / 30 min | 7255-10 after 18 min after 4 h 60 °C / 30 min | |
| | The given values of drying time and overcoatability can change due to film thickness and drying conditions | | |
| Diluent / thinner and cleaning of equipment | Standard diluent: TEKNOSOLV 6740 | | |
| Gloss | Semi gloss 55 ± 5 E 60 ° angle | | |
| Colorshades | on request | | |
| SAFETY MARKINGS | See Material safety data sheet | | |

| DIRECTION FOR USE | |
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| Surface preparation | <p>Remove from the surface any contaminants that might be detrimental to surface preparation and coating. Remove also water-soluble salts by using appropriate methods. The surface should be prepared as follows:</p> <p>Use suitable primer, e.g. TEKNODUR PRIMER 3420 TEKNODUR PRIMER 3420-01 TEKNODUR PRIMER 3422</p> <p>STEEL SURFACES: Remove mill scale and rust by blast cleaning to preparation grade Sa 2½ (standard ISO 8501-1). Roughening the surface of thin-plate improves the adhesion of the paint to the substrate.</p> <p>OLD PAINTED SURFACES SUITABLE FOR OVERCOATING: Any impurities that might be detrimental to the application of paint (e.g. grease and salts) are to be removed. The surface must be dry and clean. Old, painted surfaces that have exceeded the maximum over coating time are to be roughened as well.</p> |
| Mixing of the components | <p>Take into consideration the pot life of the mixture when estimating the amount to be mixed at a time. Before painting the base and hardener are mixed in right proportion. Stir thoroughly down to the bottom of the vessel. Inadequate stirring or incorrect mixing ratio results in imperfect curing and impaired film properties.</p> |
| Application conditions | <p>The surface to be painted must be dry and the relative air humidity below 80%. During the application and drying period the temperature of the ambient air and the surface shall be at least above -5°C and the temperature of the paint must be at least 3°C above the dew point of the ambient air.</p> |
| Application | <p>Before use stir the paint thoroughly.</p> <p>If required, the paint can be diluted for conventional high pressure spraying (5-10%).</p> <p>The hardener of the paint and the ready paint mixture contain isocyanates. In poorly ventilated areas and especially when using spray application, we recommend the use of a fresh air mask. In short or temporary work, a mask with combined filter A2-P2 can be used. In this case both eyes and face are to be protected.</p> <p>The hardener must be opened with caution, as pressure may develop in the can during storage.</p> |
| ADDITIONAL INFORMATION | <p>The storage stability is shown on the label. The hardener reacts with air humidity. Store in a cool place and in a tightly closed can. It is a recommend to use it in the space of 14 days. You can find instructions about the surface preparation in the norms EN ISO 12944-4 and ISO 8501-2.</p> |

The information on this data sheet is normative and based on laboratory tests and practical experience. Teknos guarantees that the product quality conforms to our quality system. Teknos accepts, however, no liability for the actual application work, as this is to a great extent dependent on the conditions during handling and application. Teknos accepts no liability for any damage resulting from misapplication of the product. This product is intended for professional use only. This implies that the user possesses sufficient knowledge for using the product correctly with regard to technical and working safety aspects. The latest version of Teknos data sheets, material safety data sheets and system sheets are on our homepage www.teknos.com.