

	www.teknos.com		
PRODUCT NAME 02 17.05.2017	TEKNODUR TOPCOAT MIOX 3413 2-component High Solid Polyurethane Topcoat		
PRODUCT DESCRIPTION	Two-pack iron mica-containing polyurethane topcoat for robust and decorative corrosion protection.		
INTENDED USE	High High-quality, color-stable top coat for steel constructions.		
SEICIAL CHARACTERISTICS OF THE COATING	Highly resistant against weathering and optimized color stability. Good flexibility and mechanical resistance.		
TECHNICAL DATA			
Mixing ratio	Base component A : Hardener B: 58174 TEKNODUR HARDENER 7343	6 by vol. 1 by vol.	9 by weight 1 by weight
Potlife at 20°C	6 h		
Solid content	Approx. 79 by weight.-% Approx. 63 by volume.-%		
Density	1,6 g/cm ³		
Volatile organic compound (VOC)	approx. 330 g/l		
Recommended film thickness and theoretical spreading rate	dry film (µm)	wet filmt (µm)	Theoretical spreading rate (m ² /kg)
	80	125	4,8
	120	190	3,2
	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 80 µm)			
<ul style="list-style-type: none"> - dust dry (ISO 1517:1973) - touch dry (DIN 53150:1995) - through dry (ISO 9117:1990) 	<ul style="list-style-type: none"> < 1 h approx. 9 h overcoatable after 12-16 h 		
Diluent / thinner	For e.g. TEKNOSOLV 6740		
Cleaning of equipment	For e.g. TEKNOSOLV 6740		
Gloss	Semi gloss		
Colorshades	RAL (MIOX containing) DB and other shades available on request		
SAFETY MARKINGS	See Material safety data sheet		

DIRECTION FOR USE	
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>Suitable primers are for e.g. TEKNOPOX PRIMER 3226 for blasted steel, as well as TEKNOPOX PRIMER MIOX 3227 for hot dipped galvanized steel.</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 overcoating time are to be roughened as well. Damaged parts are prepared in accordance with the requirements of the substrate and the maintenance coating.</p> <p>The place and time of the preparation are to be chosen so that the prepared surface will not get dirty or damp before the subsequent treatment.</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 is diluted with Teknosolv 6740</p> <p>Do not use universal diluent or thinner, since they react with the hardener.</p> <p>Apply the paint with brush, conventional spray or airless spray. Airless spray nozzle 0.33 – 0,58mm; material pressure 150-300 bar.</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 can must be opened with caution, as pressure may develop in the can during storage.</p> <p>Before use clean the spray gun and paint vessels with the paint's own thinner.</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.