

DS 111	-	<b>TEKNODU</b>	R COMBI 770-500		
<b>4</b> 01.12.2021			Polyurethane Paint		
PAINT TYPE	TEKNODUR COMBI 770-500 is a two-pack, fast drying, polyurethane paint containing zinc phosphate. The hardener is an aliphatic isocyanate resin.				
USAGE	Intended to be used direct to metal for anticorrosive systems in environments classified up to C2 and C3. Can be used as a topcoat in epoxy – polyurethane systems exposed in urban and industrial atmosphere.				
SPECIAL PROPERTIES	The product forms high decorative, semigloss coating, good adhered to substrate with good mechanical properties. Resistant to weathering, sun radiation, salt and alkali solutions, thinned acid solutions and petroleum products.				
TECHNICAL DATA					
Mixing ratio	Base (Comp. A):100 parts by volumeHardener (Comp. B): TEKNODUR HARDENER 73329 parts by volume				
Pot life, +23°C	2 h				
Solids	54±2% by volume				
Total mass of solids	abt. 820 g/l				
Volatile organic compound (VOC)	abt. 430 g/l				
Recommended film thickness and theoretical spreading rate	Dry film (μm)Wet film (μm)Theoretical spreading rate (m²/l)801486,81001855,4As 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				
Practical spreading rate Drying time at +23°C/50% RH (dry film 80μm) - dust dry	of the thickest recommended film. The values depend on the application technique, Surface conditions, overspray, etc. after 40 min				
- touch dry Overcoatable, 50% RH (dry film	after 2 h				
80μm)		by itself			
	surface temperature	min.	max.		
	+10°C +23°C	after 4 h	18 months or Extended**		
	+23°C after 2 h 18 months or Extended**   * A completely clean surface is mandatory to ensure the best intercoat adhesion. If the maximum overcoating interval has been exceeded, the surface must be roughened before overcoating. Increase in film thickness and rise in the relative humidity of the air in the drying space slow down the drying process and effect the overcoating properties.   ** Maximum overcoating interval can be extended in certain circumstances. To determine if extended overcoating interval is applicable please consult Teknos representative in written form.				
Thinner	TEKNOSOLV 433- fast evaporating, TEKNOSOLV 9521- slow evaporating				
Clean up	TEKNOSOLV 433, TEKNOSOLV 9521				
Finish	Semigloss				
Colours	The paint is included in the TEKNOMIX tinting system.				
SAFETY MARKINGS	See Safety Data Sheet.				

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DIRECTION FOR USE Surface preparation	Remove from the surfaces any contaminants that might be d and painting. Remove also water-soluble salts by using app are prepared according to the different materials as follows: STEEL SURFACES: Remove mill scale and rust by blas Sa 2 <sup>1</sup> / <sub>2</sub> (standard ISO 8501-1). Roughening the surface of thi the paint to the substrate. OLD PAINTED SURFACES SUITABLE FOR OVERCOATIN detrimental to the application of paint (e.g. grease and salts) be dry and clean. Old, painted surfaces that have exceeded are to be roughened as well. Damaged parts are pre requirements of the substrate and the maintenance coating. The place and time of the preparation are to be chosen so that get dirty or damp before the subsequent treatment.	oropriate methods. t cleaning to prep n-plate improves th IG: Any impurities are removed. The t the maximum ove pared in accorda	The surfaces aration grade a adhesion of that might be surfaces must ercoating time nce with the		
Mixing of the components	Take into consideration the pot life of the mixture when estim a time. Before painting the base and hardener are mixed in down to the bottom of the vessel. Inadequate stirring or imperfect curing and impaired film properties.	right proportion.	Stir thoroughly		
Application conditions	The surface to be painted has to be dry. Minimum surface and ice-free) and at least 3°C higher than dew point; relative the application and drying period.				
Application	Before use stir the paint thoroughly. Apply by airless spray, brush, roller, and after diluting – conv nozzle size 0.011 – 0.013". Before use clean the spray gun and mixing vessels with or TEKNOSOLV 9521.				
	If a coating with better scratch resistance is needed, inste TEKNODUR HARDENER 7332, use TEKNODUR HARD mixing ratio. Using this hardener will not change the pot life a coating.	ENER 7332-01 in	the same		
	Universal diluents or thinners cannot be used, since they may contain alcohol that will react with the hardener. 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 eyes and face are to be protected.				
	The hardener can must be opened with caution, as pressure storage.	e may develop in t	he can during		
ADDITIONAL INFORMATION	The storage stability is shown on the label. Store indoors in tightly closed can. The hardener reacts with air humidity and be kept carefully closed. Use opened hardener within two we	d therefore the ope			
	Additional instructive information for surface preparation EN ISO 12944-4 and ISO 8501-2.	can be found in	standards		

The information of 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 home pages www.teknos.com.