

# **TEKNOPUR 360-800**

Elastomeric coating

TEKNOPUR 360-800 is a two-pack, solvent-free elastomeric coating. Coating is applied by spraying. TEKNOPUR 360-800 is based on pure polyurea.

Used for special applications and for objects which are not exposed to chemicals and require longer geltime.

TEKNOPUR 360-800 withstands impacts and abrasion. Coating yellows due to the impact of UV-light. When a surface with good colour retention is desired, the surface needs to be overcoated with TEKNODUR 0090 polyurethane top coat. The coating is usually applied to 2000 - 3000 μm total thickness

## **TECHNICAL DATA**

Binder	Polyurea				
Solids	Approx. 100% by volume				
Total mass of solids	Approx. 1140 g/l				
Volatile organic compound (VOC)	Approx. 0 g/l (DIRECTIVE 2010/75/EU)				
	The VOC value provided is the average value for factory produced products, and				
	consequently it will be subject to variations between individual products				
	covered by this Technical Data Sheet.				
Theoretical spreading rate	Dry film (µm)	Wet film (µm)	Theoretical spreading rate		
	2000	2000	05		
	3000	3000	0.3		
Practical spreading rate	The values depend on the application technique, surface conditions, overspray				
The spice of the s	etc				
Colours	Black. white. ~RAL 1023. ~RAL 7031. ~RAL 7038. ~RAL 5002. Other colours by				
	agreement.				
Gloss (60°)	Gloss				
Hardener	Comp. A: TEKNOPUR HARDENER 7245				
Mixing ratio (A:B)	1:1 parts by volume				
Gel time	Approx. 30 seconds				
Storage	The storage stability is shown on the label. Store indoors in a cool and dry place				
	and in a tightly closed can.				
	The hardener reacts with a	ir humidity. Opened can is t	o be carefully closed after		

The hardener reacts with air humidity. Opened can is to be carefully closed after the use and it is recommended to be used within 3 days from opening. Barrels are to be equipped with desiccant tubes.





### **DIRECTION FOR USE**

Surface preparation	Remove from the surfaces any contaminants that might be detrimental to surface preparation and application. Remove also water-soluble salts by using appropriate methods.
	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.
	More detailed instructions available in separate system descriptions.
Application method	Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2. Hot twin feed-spraying
	Product is applied by hot twin-feed spray, e.g. Graco Reactor or PMC PHX-2. The components are mixed in the pistol (e.g. Graco Fusion AP or PMC AP-2). The mixing chamber and nozzle are chosen according to the object to be painted. Recommended spraying pressure is 150-160 bar.
Application	For two component application the components must be kept at a temperature of +20 - +25° C before use so that they are fluid enough for the feed pumps. To ensure that the product is uniform the base needs to be stirred thoroughly before use. The ratio of the dosage pump must be 1 : 1. The heating shall be adjusted so that the temperature of the components is +75 - +80°C. The hoses are heated to the same temperature. Temperature of the mixture in the nozzle must be at least +70°C.
	The film thickness is controlled from reference plate by dry film gauge. The maximum recommended amount to be applied in one application is 1500 µm. Thicker films are applied in phases so that the film is left to cool down between layers.
	The mixing ratio is ensured by controlling the pressure on the feed pumps and consumption of the components and also by measuring the hardness of the coating (Shore A, ISO 868).
	Directions given by the manufacturer of the twin-feed spray are to be followed when working.



Application conditions	The surface to be treated must be dry. During the application and drying period the temperature of the ambient air and the surface shall be above 0°C and the relative air humidity below 90%. The temperature of the surface to be treated must be at least +3°C above the dew point of the ambient air.				
Drying time	+23°C / 50% RH				
- touch dry	Approx. 5 min				
- fit for light traffic	Approx. 20 min				
- fully cured	Approx. 1 d				
Overcoatable	surface temperature	by itself			
		min.	max.		
	+10°C	5 min	24 h		
	+23°C	2 min	24 h		
Cleaning	TEKNOCLEAN 6496, TEKNO	OCLEAN 6481-00.			

#### **HEALTH AND SAFETY**

Safety and precaution measures

See safety data sheet.

#### Teknos Group Oy Takkatie 3, P.O.Box 107 FI-00371 Helsinki, Finland Tel. +358 9 506 091

The above information is normative and based on laboratory tests and practical experiences. The information is noncommittal, and we cannot accept liability for the results obtained under working conditions beyond our control, and consequently the buyer or the user is not released from the obligation to test the suitability of our products for specific means and application methods under the actual application conditions. Our liability covers only damage caused directly by defects in the products supplied by Teknos. 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 versions of Teknos' Technical Data Sheets and Safety Data Sheets are available from our homepage www.teknos.com. All trademarks displayed on this document are the exclusive property of Teknos Group or its affiliated companies.