

DS 071	GALWASOL 19				
4 14.02.2022	Zinc Silicate Paint				
PAINT TYPE	Zinc ethyl silicate paint, one-pack, fast drying, spontaneously cured under the influence of atmospheric humidity. This product complies with ASTM D520 type II zinc dust				
USAGE	For priming or independent protection of steel constructions exposed in the industrial, marine and seaside atmosphere or submerged in solvents and steel constructions exposed to the impact of temperatures up to +400 °C.				
SPECIAL PROPERTIES	After drying GALWASOL 19 forms an inorganic zinc silicate coating which protects the steel cathodically, like zincing. Zinc content in the dry coating min. 80%. The paint has an excellent resistance to mechanical abrasion, different solvents and oils, even on immersion and to continuous exposure up to +400 °C.				
TECHNICAL DATA					
Solids	60±2% vol.				
Total mass of solids	abt. 2100 g/l				
Volatile organic compound (VOC)	abt. 450 g/l				
Recommended film thickness and theoretical spreading rate	Dry film (µm)	Wet film (µm)	Theoretical spreading	rate (m²/l)	
	60 80	100 133	10,0 7,7		
Maximum recommended film thickness	-wet film thickness 180μm -dry film thickness 110μm Thicker coats may lead to cracking.				
Practical spreading rate	The values depend overspray, etc.	on the application	technique, surface of	conditions,	
Dryling time at +23 °C, 50% RH (dry film thickness 70μm) - dust dry - touch dry Overcoatable,	after 30 min after 60 min				
(dry film 70μm)		by itself* and suitable paints on galvanized surfaces		ized zinc	
	surface	n	nin.	max.	
	temperature + 23°C	6 hours (RH abov	e 80% or wetting of	-	
		surfaces) objects, otherwise please contact Teknos.			
	Prior to overcoating verify a value of 4 via ASTM D4752 MEK rub test.				
Thinner	Thinning is not recommended. In exceptional circumstances use TEKNOSOLV 1639 or TEKNOSOLV 779.				
Clean up	TEKNOSOLV 1639 or TEKNOSOLV 779				
Finish	Matt				
Colours	920 steel grey				
SAFETY MARKINGS	See Safety Data Sheet				

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DIRECTION FOR USE Surface preparation	Remove from the surfaces any contaminants that might be detrimental to surface preparation and painting. Before cleaning of surface it is recommended to wash it with water with addition of OLICLEAN 123 and then rinse with fresh water.					
	STEEL SURFACES: Remove mill scale and rust by blast cleaning to preparation Sa 2 $^{1}/_{2}$ (ISO 8501-1). Surface dry, salt-, dust- and grease-free.					
	The place and time of the prepara not get dirty or damp before the su		e to be chosen so that the prepared surface will ent treatment.			
Application conditions	During the application and drying p above -5°C (frost- and ice-free surf and relative humidity of the air 50 - to speed up the process of curin The spraying may be started after paint.	face), at least 3°C above the d – 95%, good ventilation. At lov g the coat by spraying the p	lew point of the a v air humidity, it i ainted surface v	mbient air s possible vith water.		
Application	Before use stir the paint thoroughly.					
	Apply by airless spray, by convent in the course of work in order to av Airless spray application recommen nozzle pressure	oid sedimentation of the zinc d		ntly stirred		
	While drawing up the painting sp construction, it is possible to asso recommended for application in the coat thicknesses is from 40 to 100	ume the thickness of a single manual. During the airless sp	e coat other tha	n the one		
Overcoating	For overcoating can be used epox the specification. The next paint co cross-linked. The unseasoned silic and cratering of the coating may In order to counteract this phenom red paint coat or EPIRUST p the TEKNOSOLV 9506 or TEKNOS	ats may be applied only after ate-zinc coatings are porous a occur during the application enon, apply the interlayer in th paint thinned with an admi	the GALWASOL and therefore, the of the consecution the form of a thin	19 coat is e bubbling ive layers. EPIWELD		
ADDITIONAL INFORMATION	The storage stability is shown or containers. Additional instructive information EN ISO 12944-4 and ISO 8501-2.		C C			

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 versions of Teknos data sheets, material safety data sheets and system sheets are on our home pages www.teknos.com.