

1. Allgemeine Stoffangaben general data	Bindemittel binder	Register register
	AY-PUR	-
Bezeichnung <i>name of product</i>	CHING-HYDRO-PUR top coat : thickness 40 µm HAD 47 D	
Härter <i>hardener</i>	CHING-hardener HD 127	
Mischungsverhältnis <i>mixing ratio</i>	100 : 30 : 100 : 38	Massenteile KI : K II / <i>parts by weight</i> Volumenteile KI : KII / <i>parts by volume</i>
Art <i>generic type</i>	water-based, light- and weather-resistant 2C-polyurethane-top coat for : 2-component system structures on qualified primer or intermediate coating	
Einsatzgebiet <i>field of application</i>	General metal and mechanical engineering, industrial halls, airport buildings, : warehouses, parking garages, chemical plants, pipe bridges, power plant area, bridge constructions, etc.	
Lieferbare Farbtöne <i>available colours</i>	RAL-, NCS-, British-Standard-, Munsell-, AS-, Federal Standard- and special colors	

2. Zusammensetzung composition	
Bindemittelbasis <i>binder</i>	Acrylate polyurethane
Pigmentbasis <i>pigments</i>	Tinted pigments and extender
Lösemittel <i>thinner</i>	Water with low content of coalescing agents

3.* Lacktechnische Daten technical data	* die technologischen Werte sind theoretische Werte und können farbonbedingt abweichen! <i>the technological values are theoretical values and depend on its different colour!</i>		
Glanzgrad <i>gloss</i>	semi-glossy to glossy	Festkörpervolumen <i>solids by volume</i>	325 ± 20 cm ³ / kg 42 ± 5 Vol-%
Dichte <i>density</i>	1,2 ± 0,1 g/cm ³	Theoretischer Verbrauch <i>theoretical consumption</i>	125 ± 20 g / m ²
Viskosität KI <i>Viscosity CI</i>	45 - 50 DIN-4-sec.	Theoretische Ergiebigkeit <i>theoretical spreading rate</i>	8,1 ± 0,5 m ² /kg 40 µm
Temperaturbeständigkeit <i>temperature resistance</i>	120°C trockene Wärme / <i>dry load</i>	Topfzeit <i>pot-life</i>	4 h in 10 kg tin at 20°C
The coating material is according to experience suitable for the vapor phase drying as well as for operating temperatures of transformers.		Note: End of pot time not visible! Exceeding the pot life causes a reduction of the technological values.	

**4. Trockenzeiten*
drying time***

TG 1 staubtrocken <i>dust – dry</i>	:	approx. 45 min.	bei /at	40	µm Normklima <i>µm standard climate</i>
TG 4 griffest <i>dry to touch</i>	:	approx. 3 - 4 h	bei /at	40	µm Normklima <i>µm standard climate</i>
TG 6 mech. belastbar <i>mechanical stress resistance</i>	:	approx. 16 - 18 h	bei /at	40	µm Normklima <i>µm standard climate</i>

überarbeitbar nach
recoatable after : approx. 3 - 4 h with itself (not necessary in the case of top and end coating, except possibly in case of minor layer thicknesses!)

In case of forced drying or a longer recoating interval of more than 14 days when stored at room temperature, the substrate must be grinded to avoid adhesion problems.
* The air humidity has a decisive influence on the drying process!

**5. Verarbeitungshinweise
application**

Oberflächenvorbereitung <i>substrate preparation</i>	:	according to DIN EN ISO 12944-4; qualified primer or intermediate coating surface must be clean, dry, free of dust, salt, oil and grease
Rollen / Streichen <i>Roller / brush application</i>	:	in delivery form conditionally possible; due to structure formation and minimum layer thicknesses, multiple applications are recommended for rolling
Mischung <i>Mixing</i>	:	Stir in the hardener mechanically. After adding the hardener and adjusting the processing viscosity, allow to degas for approx. 10 minutes.
Reinigung <i>Cleaning</i>	:	The equipment (e.g. spray gun, stirring unit etc.) should be cleaned directly after the use with water (tapwater). The earlier the cleaning work is carried out, the better the cleaning effect. Dried-on material can be cleaned with CHING thinner DD 02.

	ca. DIN – 4 Sek. <i>approx. DIN – 4 sec.</i>	Verdünnungszugabe <i>thinning ratio</i>	Druck (bar) <i>pressure</i>	Düse (mm) <i>nozzle</i>
Hochdruckspritzen <i>high pressure spraying</i>	30 - 40	5 - 10 % deion. water	4 - 5	1,5 - 2,0
Airless-Spritzen <i>airless spraying</i>	delivery form	up to 5% deion. water	80 - 120	0,28 - 0,41
andere Applikationen <i>other applications</i>	--			

Luft-/ Objekt-Temperatur <i>air-subject-temperature</i>	:	mind./min: +10 °C, maximal/max: +40 °C
Taupunkt <i>dew point</i>	:	Die Oberflächentemperatur muss mind. 3°C über dem Taupunkt liegen. <i>The surface temperature must be at least 3°C above the dew point.</i>
empfohlene Schichtdicke <i>recommended thickness</i>	:	40 - 50 µm
Maximale Schichtdicke <i>Maximum thickness</i>	:	60 µm Bubble formation may occur with layer thicknesses > 60 µm!

**6. Sonstiges
other information**

Lagerstabilität <i>shelf life</i>	:	18 month in unopened original packing, store cool but free of frost
weitere Hinweise <i>further information</i>	:	514-47x-xxx(G) With higher layer thicknesses, the drying times are extended accordingly! During a later Vapor phase drying, it is desirable to ensure that the prescribed layer thickness is not more than double!

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Wir empfehlen unsere Erzeugnisse aufgrund der heutigen Erkenntnisse. Für die Verarbeitung und Verwendung unserer Beschichtungsstoffe und Lacke sind die einschlägigen Normen maßgebend, für den Korrosionsschutz DIN-EN-ISO 12944, soweit nicht andere Stoff- und Verarbeitungsanweisungen vorliegen. Wegen der Vielseitigkeit der Anwendungs- und Verarbeitungsmöglichkeiten kann jedoch hieraus keine Verbindlichkeit abgeleitet werden. Soweit das in diesem Datenblatt angesprochene Produkt Teil eines Systems ist, sind die technischen Regeln für den Gesamtaufbau zu beachten. Mit Erscheinen dieses Datenblattes verlieren die vorherigen Ausgaben ihre Gültigkeit; bitte fordern Sie vor der Anwendung das neueste Datenblatt und Sicherheitsdatenblatt an.
We recommend our products on the basis of the latest research findings. For processing and applying our coating materials and varnishes, the official standards apply. That is DIN-EN-ISO 12944 for corrosion protection if no other processing instructions apply. Due to the versatility of processing and application opportunities, these standards are not generally applicable. In case the product described here is part of a system, the technical rules for this system must be considered. This data sheet replaces all preceding editions. Before applying our product, please ask for our actual data sheet and security data sheet.