

Page number: 01



Composition Mixture of pigments, fillers and anticorrosive pigments in solution of alkyd resin in organic solvents with addition of driers and additives.

Characteristics and use The paint is determined for anticorrosive single coats of steel objects for aggressive, corrosive environment C1-C3, i.e. municipal and industrial atmosphere with moderate pollution with sulphur dioxide.

It is possible to use the paint also as a primer under top synthetic paints.

Thixotropic character enables application in very strong coats, it is possible to apply up to 400 µm of wet film at the same time by the airless spraying (according to the type of application device and application conditions). It is produced in two qualities – SEMI-GLOSS or MATT.

The special application method (low dosing of paint and low spraying pressure) allows the paint to also be used as a decorative structural topcoat.

- ◆ excellent adhesion to steel surfaces
- ◆ it stays on vertical surfaces
- ◆ possibility to apply in thick coats
- ◆ suitable for indirect food contact
- ◆ paint 2 in 1 for cost-saving work

Application area Exterior and interior with medium corrosive stress (laundry rooms, cellars, industrial areas, workshops), transport containers, metal plate and steel constructions, fencing, metal plate garages, gates, small metal objects.

Shades MATT – RAL 7035, RAL 9002, RAL 3009
 SEMI-GLOSS – RAL 7035, RAL 9002, RAL 9001, RAL 3009 and the others according to individual customer requirements.

Physical properties	Flow time	thixotropic
	Weight solids	> 60 % according to shade
	Volume solids	> 46 %
	Flash point	25 °C
	Density	1180 - 1350 kg/m ³

Emission limits	VOC: 0.28 – 0.40 kg/kg	TOC: 0.25 – 0.36 kg/kg
	This product is for professional use only. Not for DIY.	

Properties of dried coat	Hiding power	degree 1 - 2
	Gloss / 60°	MATT < 20; SEMI-GLOSS 30 – 50
	Hardness /Persoz/	up 8 % at DFT 30 – 40 µm after 24 h up 4 % at DFT 100 µm after 24 h
	Adhesion with crosshatch test	degree 0 - 1
	Cupping test	at least 5 mm

Drying time	Surface temperature	23 °C	23 °C
	Dust free	45 min	60 min
	Dry through	16 h	24 h
	Dry film thickness DFT	40 µm	80 µm

Spreading capacity	Wet film thickness WFT	87 µm	175 µm	260 µm
	Dry film thickness DFT	40 µm	80 µm	120 µm
	Theoretical spreading capacity	8.5 - 10 m ² /kg	4.3 - 5 m ² /kg	2.8 – 3.3 m ² /kg

Thinning TELSOL BR 5, TELSOL BR 6, S 6005, S 6006

TELKYD S 200 TIX

Anticorrosive thixotropic single coat

Page number: 02



Surface preparation For corrosive environment C2 and C3 the surface must be prepared by blast-cleaning to degree Sa 2 ½ according to EN ISO 8501-1 (welds and edges must be prepared according to EN ISO 8501-3). For corrosive environment C1 the surface must be clean, dry, free of grease and rust, mechanically cleaned to degree St 2 – St 3. It is necessary to clean, degrease and remove poorly adhering old coats from previously painted surfaces. To ensure compatibility of new coat with old one it is recommended to contact the producer or carry out test reference coating on surface of 1 m².

Application conditions Stir the paint properly with a mechanical stirrer before use so that there will be no sediment on the bottom. To thin and filter if it necessary. For coating / spraying outside the suitable weather forecast is necessary. During rain, fog, creation of condensation water, effect of aggressive gases and during wind with strong content of dust the coating work must be suspended and can be restart after absolute drying of surface-treated material. Minimal air temperature for application is 10 °C, temperature of painted surface must be 3 °C above dew point. Temperature and relative humidity must be measured in proximity of painted surface. The surface temperature must not be higher than 40 °C. Relative humidity must not be higher than 75 %. Lower temperature and higher humidity during an application and a drying and high thickness of applied coats markedly slow down drying and hardening of the coat. Imperfectly dried surface can cause problems with adhesion of paint to surface or with adhesion between individual coats. In addition it can negatively affect overall appearance of the paint film.

Workflow Apply 2 to 3 coats (spraying) of TELKYD S 200 TIX, final dry film thickness should be at least 80 µm. In cases, where it is necessary, recoating is possible after 24 hours or by the system so-called "wet into wet". If next coat is applied to the already dried paint, but incompletely cured, it can cause "wrinkling" the paint. An interval for an overspray without this risk can not be accurately determined, it is dependent on purpose and area of use (e.g. a thickness of the coat, an application method, a method of dilution, local climatic conditions).

The paint is applied by cross spraying or in parallel strips to achieve a final uniform layer. First it is necessary to treat problematic places (corners, edges, welds, surface defects). It is very important to apply each coat in a uniform layer, in a thickness specified by the specific paint system. Consumption of paint must be checked to avoid excessive thickness, to avoid splashing, cracking and solvent retention. For larger compact areas always use the material from the same batch. Using the same batch can guarantee the same shade of the colour. We recommend to mix the content of the individual cans by homogeneous mixing.

Optimal thickness of system The optimal thickness and composition of the paint system depends on the aggressivity of atmosphere and on the expected durability of a protective system. The selection of an appropriate system should be in accordance with EN ISO 12944-5: 2018.

Application Airless/AirMix spraying (0 – 5 % thinning)
Brush (recommended viscosity 60 - 80 s / cup Ford Ø 4 mm; 10 - 15 % thinning)
Application by brush is recommended only for small areas and for corrections.

Application data **Data for airless spraying Airless/AirMix** (tested on the device EcoPump VP 55 445, 64:1 gear ratio, in combination with air assist spraying gun EcoGun 2100 (DÜRR))

Device	Nozzle	Pressure on nozzle	Thinning
AirMix	0.011 inch (0.28 mm)	16 Mpa (160 atm) air assist 1.2 atm	5 %
AirMix	0.013 inch (0.33 mm)	16 Mpa (160 atm) air assist 1.5 atm	5 %
Airless	0.011 inch (0.28 mm)	19 Mpa (190 atm)	5 %

Page number: 03



Airless	0.013 inch (0.33 mm)	22 Mpa (220 atm)	5 %
---------	----------------------	------------------	-----

Recommended filter of spraying gun yellow 100/149 (mesh/ μm), spraying angel 20 – 60°. It is not recommended using free adjustable nozzle.

Handling	Read the instructions in the Safety Data Sheet before use and follow all safety instructions and regulations. The product contains organic solvents. Follow basic hygiene rules. Do not eat, drink or smoke while using this product. Avoid contact with eyes, skin or clothing. Wear protective gloves, eye protection, protective clothing. Ensure effective ventilation of the workplace.
Packing	20 kg (tinted product)
Storability	The product keeps the product qualities 5 years from production date in original closed container. To store in dry storage at the temperature 5 to 25 °C. Flammable liquid II. hazard class.
Disposal of packing and waste	Hand over the used, properly empty packing at the collection point of the packing waste. Dispose the packing with the product rest at the place determined by the town for disposal of hazardous waste or hand over to the person authorized for hazardous waste disposal. Further see the product safety data sheet.

These data are only for information and their accuracy is influenced by the properties of individual materials and unpredictable factors during application. The user is responsible for correct use of the product according to the direction for use and for correct application of painting system, i.e. he must always evaluate all conditions of application, which could influence final quality of the top treatment. Therefore we always recommend to the user to carry out the test for actual working conditions and type of surface applied. Above mentioned data are data, which influence individual working conditions and therefore they do not establish a legal claim. It is necessary to consult information outside the terms of this catalogue sheet with the producer.

The producer stipulates the right for the change in the catalogue sheets without previous notification.