

PAINT TYPE	TEKNODUR 3562-29 is a two pack polyurethane paint where the hardener used is an aliphatic isocyanate resin.
USE	Reaction drying topcoat for wood.
SPECIAL PROPERTIES	TEKNODUR 3562-29 produces a film with good mechanical properties and good weather resistance. The paint is recommended on objects when the topcoat is required to have excellent gloss and colour retention. The paint is suitable for electrostatic application.

TECHNICAL DATA

Mixing ratio	Base (Comp. A): Hardener (Comp. B): TEKNODUR HARDENER 7228-00	1.6 parts by volume 1 part by volume	
Pot life, +23 °C	6 minutes.		
Solids	90 ± 2 by volume		
Total mass of solids	Approx. 1100 g/l		
Volatile organic compound (VOC)	Approx. 90 g/l		
Recommended film thickness and theoretical spreading rate	Dry film (µm) 120	Wet film (µm) 133	Theoretical spreading rate (m ² /l) 7.5

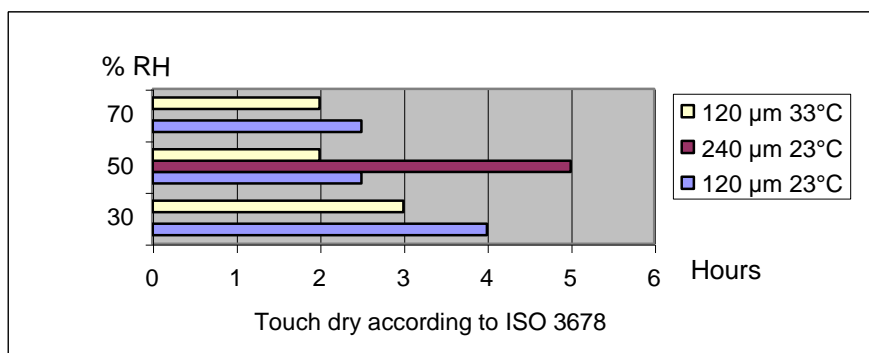
As many of the paint's properties will change if too thick coats are applied, it is not recommended that the product is applied to a film thickness that is more than the double of the thickest recommended film.

Practical spreading rate The values depend on the application technique, surface conditions, overspray, etc.

Drying time at +23 °C / 50 % RH
 - dust free (ISO 1517) Approx. 30 minutes.
 - touch dry (ISO 3678) Approx. 2½ hours

Heat drying at +50 °C / 50 % RH
 - touch dry (ISO 3678) Approx. 30 minutes.

Note: The drying times are recommended and apply to 120 µm dry film at the stated object temperature and relative air humidity. The drying time is dependent upon:
 1) the relative air humidity in the moment of application and until the surface is dry. Is RH below 50 % the drying time will be extended significant.
 2) object temperature and
 3) film thickness



- overcoatable
(dry film 120 µm)

	by itself and TEKNODUR PRIMER 3561-00	
surface temperature	min.	max.
+23 °C	After 2 hours	After 72 hours*

* Maximum overcoating interval without roughening.

Pull of test - adhesion
ASTM D 4541/DIN ISO 4624

Typically value: 2.5 MPa (fibre break in the veneer)

Abrasion test
ASTM C-501

Taber abrasion - 1000 rotations with CS-10 wheel and weight 1 kilogram.

Typically value: 35 mg. weight loss

QUV test

Gloss level / variation measured at 60° angle and color alternation in DE value CIELAB (daylight).

Requirements after 2000 hours QUV-A 340 nm:
No essential gloss and colour variation.

Alternate test
(modified cold check)

Measuring of water absorption in a 9 weeks cycling consisting of humidity chamber (5 days at 40 °C and 100 % RH) followed by freezer (2 days at -18 °C). After that water release is measured in 9 weeks.

Requirements after 18 weeks:
No blister formation, no crackle and no essential gloss and colour variation.

**Specification for Migration of
Certain Elements: EN 71-3**

Approved.

Thinner, clean up

TEKNOSOLV 7140.

Finish

Gloss.

Colours

By agreement.

Primer

TEKNODUR PRIMER 3561-00.

HEALTH AND SAFETY

See Safety Data Sheet.

PTO

DIRECTION FOR USE**Surface preparation**

OLD PAINTED SURFACES SUITABLE FOR OVERCOATING: Any impurities that might be detrimental to the application of paint (e.g. grease and salts) are removed. The surfaces must be dry and clean. Old, painted surfaces that have exceeded the maximum overcoating time are to be roughened as well.

Mixing of the components

Due to the short pot life the product is only suitable for twin-feed spray equipment. **Incomplete mixing of components or incorrect mixing ratio results in impaired film properties and appearance.**

Application conditions

The surface to be painted must be dry and the recommended air humidity 50 – 70 %. When coating and curing the temperature of the ambient air and surface shall be at least above +20 °C, and the temperature of the paint above +15 °C during mixing and spraying.

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 both eyes and face are to be protected.

Application

Before use stir the paint thoroughly.

Do not use universal thinners, since they may contain alcohol, which will react with the hardener.

Use only 2-component spray equipment.

Before use clean the spray gun and container with the paint's own thinner.

ADDITIONAL INFORMATION

The hardener reacts with air humidity. Store in a cool and dry place in a tightly closed can. The storage stability is limited.

Use opened hardener within two weeks.

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. The latest versions of Teknos' Technical Data Sheets and Safety Data Sheets are available from our homepage www.teknos.com.
