Technical Data Sheet

Product	**TT276**						
Description	Clear water-based sealer						
Color	Clear						
Woods / Substrates for which the product is suitable	Light color hardwood						
	Dark color hardwood						
	Non resinous Softwood						
	Engineered woods, reconstituted woods, fine line						
Chemical-physical Properties	**Density (Kg/l)**	1,018	±	0,030			
	Density (lb/US gal)	8,5	±	0,3			
	Solid content %	33,0	±	2			
	Viscosity Brookfield approx. (20°C - 70°F)	V. 10,0		S. 2			
		approx. 1600	±	500	cPs		
USAGE INDICATIONS							
The product, after careful mixing, is ready to use							
READY TO USE PRODUCT PROPERTIES							
Application		**Quantities**					
	Airmix spray	**gr/m² min-max:**	130	-	150		
		Wet Mils min-max	5,0	-	5,8		
	Hand spray	**gr/m² min-max:**	130	-	150		
		Wet Mils min-max	5,0	-	5,8		

PRODUCT PROPERTIES AFTER APPLICATION					
Drying					
	Room temperature drying (18-22°C / 64 – 72°F e 65-70% relative humidity) complete drying	24 h			
	Dust free	50 min			
	Touch dry	75 min			
	Hard dry	5 h			
	Stackable after room temperature drying	24 h			
	Sandable after (time)	3-4 h			
	Overcoatability time	8 h			
	Overcoatability time between layers	2-4 h			
	Maximum time between layers without sanding	3 h			
	Laminar flow cabinet drying	Temp°C	35		
		Temp°F	95		
		Air speed m/sec	1,2		
		Air speed ft/sec	3,9		
		120 min			
	Stackable after jet hot air drying	4 h (with spacers)			
Additional products		Quantities			
Properties	Excellent Clarity, Excellent Elasticity, Excellent Wrinkling resistance				
Hardener	TXW12	In weight w/w %	10		
		In volume v/v %	9,6		
	Solid content %	68,5 ± 2			
READY TO USE PRODUCT PROPERTIES					
	Solid content 1st + 2nd component (%)	36,2 ± 2			
	Pot-Life - mixture (maximum pot-life of the product prepared according to usage indications)	2 h			
	Viscosity Brookfield approx. (20°C - 70°F)	V. 5,0	S. 2		
		approx. 2800 ± 500 cPs			
Application		Quantities			
	Airmix spray	gr/m² min-max:	130	-	150
		Wet Mils min-max	5,0	-	5,8
	Hand spray	gr/m² min-max:	130	-	150
		Wet Mils min-max	5,0	-	5,8

PRODUCT PROPERTIES AFTER APPLICATION					
Drying					
	Room temperature drying (18-22°C / 64 – 72°F e 65-70% relative humidity) complete drying	48 h			
	Dust free	60 min			
	Touch dry	90 min			
	Hard dry	8 h			
	Stackable after room temperature drying	24 h			
	Sandable after (time)	4 h			
	Overcoatability time	8 h			
	Overcoatability time between layers	4 h			
	Maximum time between layers without sanding	3 h			
	Laminar flow cabinet drying	Temp°C	35		
		Temp°F	95		
		120 min			
	Stackable after jet hot air drying	4 h (with spacers)			
Additional products		Quantities			
Properties	Excellent Clarity, Excellent Elasticity, Excellent Wrinkling resistance				
Hardener	TXW13	In weight w/w %	10		
		In volume v/v %	9,7		
	Solid content %	70,0	±	2	
READY TO USE PRODUCT PROPERTIES					
	Solid content 1st + 2nd component (%)	36,4	±	2	
	Pot-Life - mixture (maximum pot-life of the product prepared according to usage indications)	1,5 h			
	Viscosity Brookfield approx. (20°C - 70°F)	V. 5,0		S. 2	
		approx.	4000	± 1000	cPs
Application		Quantities			
	Airmix spray	gr/m² min-max:	130	-	150
		Wet Mils min-max	5,0	-	5,8
	Hand spray	gr/m² min-max:	130	-	150
		Wet Mils min-max	5,0	-	5,8

PRODUCT PROPERTIES AFTER APPLICATION			
Drying			
	Room temperature drying (18-22°C / 64 – 72°F e 65-70% relative humidity) complete drying	48 h	
	Dust free	60 min	
	Touch dry	90 min	
	Hard dry	8 h	
	Stackable after room temperature drying	24 h	
	Sandable after (time)	4 h	
	Overcoatability time	8 h	
	Overcoatability time between layers	4 h	
	Maximum time between layers without sanding	3 h	
	Laminar flow cabinet drying	Temp°C	35
		Temp°F	95
		Air speed m/sec	1,2
		Air speed ft/sec	3,9
		120 min	
	Stackable after jet hot air drying	4 h (with spacers)	
Shelf life	12 months after production		
SPECIFIC WARNINGS	If required, thin with water up to 5% (maximum) We suggest to carry out preliminary tests, in case of application on woods containing extractives that can be solubilized by water, such as: chestnut, oak and ash Water-based products viscosity values tend to alter during storage The value indicated in this technical data sheet is the one measured during quality control		

WARNINGS

In a coating process with professional products:

- besides the product quality, the final result also depends on numerous other variables, such as environmental conditions; homogeneity in the quality of the support; the constancy of the application cycle; the plants performance; the proper use of the product, etc.
- in the process of industrial coating a certain waste of product is to be considered normal and therefore not attributable to product quality
- The final colour is influenced by quality and the preparation of the support and the conditions of application, for this reason it is essential to check in advance the result in terms of final use

Our Company cannot ensure the control of the coating process carried out by the user. We cannot, therefore, take on any responsibility for the final result achieved through the use of our products.
On the other hand, we guarantee the consistency of the chemical and physical characteristics of the product indicated in the relevant Technical Data Sheet, pledging to replace it if it does not correspond to the declared features
Data on the chemical and physical characteristics of the product are recorded at 20°C / 68°F and 70% R.U.

For best results, the optimum conditions of application are:

- Ambient temperature between 18 and 22°C (64 - 72 °F)
- ambient relative humidity between 65 and 70%
- support humidity between 8 and 14%

The conditions to be observed scrupulously are:

- Water-based products are particularly sensitive to storage conditions: temperatures below 5 °C / 41°F and above 35 °C / 95°F may affect the product, characteristics, making it unusable. For this reason, a water-based product should be stored indoors at temperatures not below 5 °C / 41°F and not above 35 °C / 95°F, in a properly ventilated place, not exposed to solar radiation
- Always shake the products well before use
- Before use, always shake well the product mixed with any other components such as catalysts, accelerators, thinners
- The application must not take place at a temperature lower than 15 °C / 59°F or above 30 °C / 86°F
- The drying should not take place at a temperature below 15 °C / 59°F
- The ambient relative humidity during drying should be between 50% and '70%
- To decant paints, exclusively use containers made of suitable material, such as polyethylene and stainless steel
- After use, we recommend that you always close the can carefully

The end result of the coating cycle is the sole responsibility of the users, who must make sure that the product matches their needs and that environmental conditions, application or media specifications do not require substantial changes of use

It is the user's responsibility:

- Adhere to the conditions indicated above
- comply with the rules of hygiene and safety during product application, according to the descriptions given in the safety data sheets
- for solvent-based products spark-proof equipment should be used
- It is forbidden to smoke while using the product

At the bottom of each sheet there is a date of validity
The Company invites you to check with their staff that the product data sheet in your possession is the most updated, since the characteristics of the products are subject to adjustments over time
For more information, please contact (see below):

Issue date: 15/05/2024 **Rev.:** 1

Contact Details : Mick Kilsby - Mobile : 0410 635 011, Terry Taylor - Mobile : 0410 635 014

IVM Chemicals srl – International Wood Coating Division - 27020 Parona (PV), V.le della Stazione 3 - tel. +39 0384 25 44.1 - fax +39 0384 252 054

Sede sociale: 20123 Milano, Via Tasso 10 - capitale sociale i.v. € 10.000.000 - codice fiscale, registro imprese C.C.I.A.A n. 02170230342
REA n. 1657837- Partita IVA 13472030157 - ilva@ivmchemicals.com - www.ilvacoatings.com