

## Technolac UV HQ (Overprint Varnish)

Technical Characteristics		Name of Varnish				
		Technolac UV HQ 30	Technolac UV HQ 45	Technolac UV HQ 60	Technolac UV HQ 100	Technolac UV HQ 200
Viscosity	Ford Cup N° 4 25 °C (sg)	20-40	40-50	50-70	90-105	180-230
	Brookfield 25 °C (Cps)	70-150	150-180	180-250	325-380	-
Curing Speed (m/min) *		100	100	100	100	100
Colour Gardner		≤ 2	≤ 2	≤ 2	≤ 2	≤ 2
Physical Form		Withish	Withish	Withish	Withish	Withish
<b>Final Properties of the Varnish</b>						
Gloss		Average	Good	Good	Good	Good
Matt		-	-	-	-	-
Slip		Good	Good	Average	Average	Average
Yellowing		Low	Low	Low	Low	Low
Levelling		Good	Good	Good	Good	Good
Blocking		Low	Low	Low	Low	Low
Solvent Resistance		Average	Average	Average	Good	Average
<b>Type of Machine</b>						
Varnished	Direction of impression	X	X	X	X	
	Inverse direction		X	X	X	
Offset	Varnishing unit	X	X	X		
	Damping system				X	X
	Inker					
	Dry					
	Lithographic					
Offset Rotative		X	X	X		
Flexography			X	X		

\* With 3 Lamps of 160 w/cm

## Technolac UV HQ-SR (Overprint Varnish – Scratch Resistance)

Technical Characteristics		Name of Varnish		
		Technolac UV HQ 30 SR	Technolac UV HQ 45 SR	Technolac UV HQ 60 SR
Viscosity	Ford Cup N° 4 25 °C (sg)	20-40	40-50	50-70
	Brookfield 25 °C (Cps)	70-150	150-180	180-250
Curing Speed (m/min) *		100	100	100
Colour Gardner		≤ 2	≤ 2	≤ 2
Physical Form		Withish	Withish	Withish
<b>Final Properties of the Varnish</b>				
Gloss		Average	Good	Good
Matt		-	-	-
Slip		Good	Average	Average
Yellowing		Low	Low	Low
Levelling		Good	Good	Good
Blocking		Low	Low	Low
Solvent Resistance		Good	Good	Good
<b>Type of Machine</b>				
Varnished	Direction of impression	X	X	X
	Inverse direction			X
Offset	Varnishing unit	X	X	X
	Damping system			
	Inker			
	Dry			
	Lithographic			
Offset Rotative		X	X	
Flexography		X	X	X

\* With 3 Lamps of 160 w/cm

## Technolac UV LB (Flexo Narrow Web [Rapid Cure])

Technical Characteristics		Name of Varnish			
		Technolac UV LB 30	Technolac UV LB 50	Technolac UV LB 60	Technolac UV LB 90
Viscosity	Ford Cup N° 4 25 °C (sg)	20-40	40-60	50-70	80-100
	Brookfield 25 °C (Cps)	100-200	200-300	250-350	300-500
Curing Speed (m/min) *		120	120	120	120
Colour Gardner		≤ 2	≤ 2	≤ 2	≤ 2
Physical Form		Withish	Withish	Withish	Withish
<b>Final Properties of the Varnish</b>					
Gloss		Good	Good	Good	Good
Matt		-	-	-	-
Slip		Good	Good	Good	Good
Yellowing		Low	Low	Low	Low
Levelling		Good	Good	Good	Good
Blocking		Low	Low	Low	Low
Solvent Resistance		Very Good	Very Good	Very Good	Very Good
<b>Type of Machine</b>					
Varnished	Direction of impression	X	X	X	X
	Inverse direction				X
Offset	Varnishing unit	X	X	X	X
	Damping system				X
	Inker				
Offset Rotative		X	X	X	X
Flexography		X	X	X	X

\* With 3 Lamps of 160 w/cm

## Technolac UV HQ (Offset)

Technical Characteristics		Name of Varnish			
		Technolac UV HQ 150	Technolac UV HQ 200	Technolac UV HQ TG	Technolac UV HQ LG
Viscosity	Ford Cup N° 4 25 °C (sg)	130-170	180-220		
	Brookfield 25 °C (Cps)	700-1000	1300-1900	2100-2800	3000-4000
Curing Speed (m/min) *		100	100	100	100
Colour Gardner		≤ 2	≤ 2	≤ 2	≤ 2
Physical Form		Withish	Withish	Withish	Withish
<b>Final Properties of the Varnish</b>					
Gloss		Good	Good	Good	Good
Matt		-	-	-	-
Slip		Low	Low	Low	Low
Yellowing		Good	Good	Good	Good
Levelling		Low	Low	Low	Low
Blocking		Good	Good	Good	Good
Solvent Resistance					
Varnished	Direction of impression				
	Inverse direction				
Offset	Varnishing unit				
	Damping system		X	X	
	Inker	Dry	X	X	X
Lithographic					X
Letter Press			X	X	X
Flexography					

\* With 3 Lamps of 160 w/cm

## Technolac UV ST (Stampable, Glueable)

Technical Characteristics		Name of Varnish			
		Technolac UV HQ 30 ST	Technolac UV LB 30 ST	Technolac UV LB 75 ST	
Viscosity	Ford Cup N° 4 25 °C (sg)	20-40	20-40	60-90	
	Brookfield 25 °C (Cps)	100-200	100-200	300-45	
Curing Speed (m/min) *		100	120	120	
Colour Gardner		≤ 2	≤ 2	≤ 2	
Physical Form		Transparent	Transparent	Transparent	
<b>Final Properties of the Varnish</b>					
Gloss		Good	Good	Good	
Matt		-	-	-	
Slip		Good	Good	Good	
Yellowing		Low	Low	Low	
Levelling		Good	Good	Good	
Blocking		Low	Low	Low	
Solvent Resistance		Good	Good	Good	
<b>Type of Machine</b>					
Varnished	Direction of impression		X	X	X
	Inverse direction				X
Offset	Varnishing unit		X	X	X
	Damping system				
	Inker	Dry			
Lithographic					
Offset Rotative		X	X	X	
Flexography		X	X	X	

\* With 3 Lamps of 160 w/cm

## Technolac UV SK (Silk-Screen)

Technical Characteristics		Name of Varnish			
		Technolac UV SK 55	Technolac UV SK 55 SR	Technolac UV SK 180	Technolac UV SK 300
Viscosity	Ford Cup N° 4 25 °C (sg)	40-70	40-70	150-200	200-400
	Brookfield 25 °C (Cps)	200-350	200-350	500-700	700-1000
Curing Speed (m/min) *		100	100	100	100
Colour Gardner					
Physical Form		Whitish	Whitish	Whitish	Whitish
<b>Final Properties of the Varnish</b>					
Gloss		Very Good	Very Good	Very Good	Very Good
Matt		-	-	-	-
Slip		Good	Good	Good	Good
Yellowing		Low	Low	Low	Low
Levelling		Good	Very Good	Very Good	Very Good
Blocking		Low	Low	Low	Low
Solvent Resistance		Very Good	Good	Very Good	Very Good
<b>Type of Machine</b>					
Screen		X	X	X	X

\* With 3 Lamps of 160 w/cm

## Technolac UV (Specialities)

Technical Characteristics		Name of Varnish		
		Technolac UV Low Odour	Technolac UV Low Yellowing	Technolac UV Essence
Viscosity	Ford Cup N° 4 25 °C (sg)	40-60	20-40	50-180
	Brookfield 25 °C (Cps)	150-250	100-200	250-700
Curing Speed (m/min) *		100	100	100
Colour Gardner		≤ 2	≤ 2	≤ 2
Physical Form		Transparent	Transparent	Transparent
<b>Final Properties of the Varnish</b>				
Gloss		Good	Good	Good
Residual Odour		Very Low	Low	Specific
Slip		Good	Good	Good
Yellowing		Low	Very Low	Low
Levelling		Good	Good	Good
Blocking		Low	Low	Low
Solvent Resistance		Good	Good	Good
<b>Type of Machine</b>				
Varnished	Direction of impression	X	X	X
	Inverse direction	X		X
Offset	Varnishing unit	X	X	
	Damping system			
	Inker			
	Dry			
	Lithographic			
Flexography		X	X	
Screen				X

\* With 3 Lamps of 160 w/cm

## Technolac UV MT (Matt)

Technical Characteristics		Name of Varnish		
		Technolac UV LB 50 MT	Technolac UV HQ 200 MT	Technolac UV SK 55 MT
Viscosity	Ford Cup N° 4 25 °C (sg)	40-60	180-230	40-70
	Brookfield 25 °C (Cps)	150-225	650-850	150-250
Curing Speed (m/min) *		150	100	120
Colour Gardner				
Physical Form		Whitish	Whitish	Whitish
<b>Final Properties of the Varnish</b>				
Matt		Good	Good	Good
Slip		Good	Good	Good
Yellowing		Low	Low	Low
Levelling		Good	Good	Good
Blocking		Low	Low	Low
Solvent Resistance		Average	Average	Average
<b>Type of Machine</b>				
Varnished	Direction of impression		X	
	Inverse direction		X	
Offset	Varnishing unit		X	
	Damping system			
	Inker	Dry		X
		Lithographic		X
Offset Rotative		X		
Letter Press			X	
Flexography		X		
Screen				X

\* With 3 Lamps of 160 w/cm