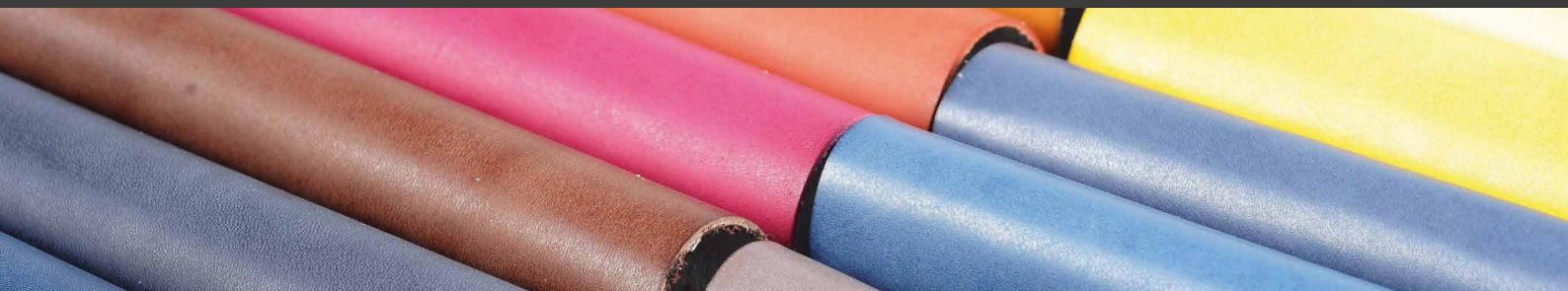


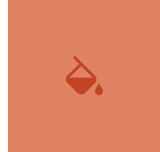


**colorlac**

COLOR YOUR BUSINESS



**SOLUTIONS LEATHER**



# TCL 20000

## TECHNICAL FEATURES



Leather



Dye



Solvent



Trasparent

**Excellent resistance to migration of PVC // Non flammable // Excellent transparent power**

**DESCRIPTION /** TCL 20000 are metal-complex, bisulphonated, liquids dyes at high concentration in glycoethers.

**USE /** They are products with a high concentration and excellent transparency, brilliance and uniformity of tints. They are suitable for leather finishing by either spray or roller application.

**SOLUBILITY /** Good in water, glycols, alcohols - Fair in acetone and acetates

**MISCIBILITY /** TCL 20000 are miscible with water-based casein resins or nitrocellulose, polyurethane, acrylic resins water or solvent-based. The products of the TCL 20000 series are miscible with each other in any ratio to allow you to independently create new customized solutions.

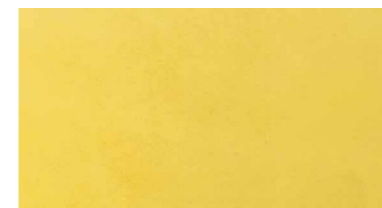
Can be used in combination with penetrating agents and polar solvents both by spray or roller application.

**SPRAY APPLICATION /** TCL 20000 can be applied manually, with aerograph, or mechanically with rotary machine after dilution with glycols, ethyl alcohol or water. If you wish to dilute with acetates we recommend a pre-dilution in mixture 1: 1 PM/acetates.

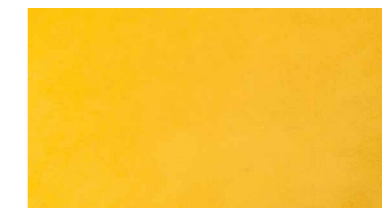
**FINISHING TO EFFECT /** CL 20000 can be used to effect finish with acrylic resin, casein binder, top, nitrocellulose and polyurethane emulsion or solvents.

## UNIVERSAL DYES WITH EXCELLENT RESISTANCE TO PVC MIGRATION

TCL 20032 / C.I.ACID YELLOW 49



TCL 20031 / C.I.ACID YELLOW 99



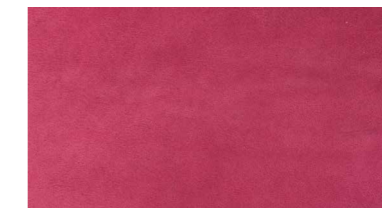
TCL 20020 / C.I.MIX



TCL 20082 / C.I.ACID RED 357



TCL 20080 / C.I.ACID VIOLET 90



TCL 20071 / C.I.ACID RED 249



TCL 20052 / C.I.MIX



TCL 20051 / C.I.MIX



TCL 20050 / C.I.ACID BROWN 355



TCL 20045 / C.I.ACID BLUE 260



TCL 20041 / C.I.ACID BLUE 158



TCL 20040 / C.I.ACID BLUE 193



TCL 20093 / C.I.ACID GREEN 26



TCL 20060 / C.I.ACID BLACK 194/172



CODE	COLOR INDEX	DRY MATTER	DENSITY	SOLUBILITY			LIGHT FASTNESS	WATER SPOTTING RESISTANCE	PVC MIGRATION FASTNESS
				WATER	PM	BUTYL ACETATE			
TCL 20020	MIX	23 ± 3	1,07 Kg/l + 2%	+	+	+ (dilution 1:1 in PM /ACETATE)	6	4	4/5
TCL 20031	ACID YELLOW 99	21 ± 3	1,03 Kg/l + 2%	+	+	+ (pre-dilution 1:1 in PM)	5	4/5	4/5
TCL 20032	ACID YELLOW 49	10 ± 2	1,00 Kg/l + 2%	+	+	+ (dilution 1:1 in PM /ACETATE)	5/6	3/4	5
TCL 20040	ACID BLUE 193	23 ± 3	1,09 Kg/l + 2%	+	+	+ (dilution 1:1 in PM /ACETATE)	7	2/3	4/5
TCL 20041	ACID BLUE 158	14 ± 2	1,06 Kg/l + 2%	+	+	+ (dilution 1:1 in PM /ACETATE)	5/6	3/4	5
TCL 20045	ACID BLUE 260	13 ± 2	1,03 Kg/l + 2%	+	+	--	5	2/3	5
TCL 20050	ACID BROWN 355	23 ± 3	1,09 Kg/l + 2%	+	+	+ (dilution 1:1 in PM /ACETATE)	6/7	3	4
TCL 20051	MIX	22 ± 3	1,09 Kg/l + 2%	+	+	+ (dilution 1:1 in PM /ACETATE)	6/7	3	4
TCL 20052	MIX	22 ± 3	1,09 Kg/l + 2%	+	+	+ (pre-dilution 1:1 in PM)	6	3	4/5
TCL 20060	ACID BLACK 194/172	25 ± 3	1,09 Kg/l + 2%	+	+	+ (dilution 1:1 in PM /ACETATE)	6/7	2/3	4
TCL 20071	ACID RED 249	17 ± 2	1,05 Kg/l + 2%	+	+	+ (dilution 1:1 in PM /ACETATE)	4/5	1	5
TCL 20080	ACID VIOLET 90	23 ± 3	1,07 Kg/l + 2%	+	+	+ (dilution 1:1 in PM /ACETATE)	6	1	4/5
TCL 20082	ACID RED 357	29 ± 3	1,09 Kg/l + 2%	+	+	+ (dilution 1:1 in PM /ACETATE)	6/7	1	4/5
TCL 20093	ACID GREEN 26	13 ± 2	1,00 Kg/l + 2%	+	+	-	6/7	2	5

Table legend: -- no - poor -/+ fair + good

\* Colors are only for illustrative purpose and may differ slightly from real tones

