Data sheet

701.TIX10

2K GLOSSY ACRYLIC TIXOCLEAR

1000 ml +
400 ml +
50 - 150 ml

18" - 23" ford 4
at 20 °C

Ø 1.3– 15 mm
4-5 Atm
N° of coats 2

Drying At 20 °C: 25' – 30'
Curing At 70 °C: 45' – 50'

NATURE OF PRODUCT:

Two-component glossy acrylic clearcoat with thixotropic rheology, characterized by fast drying, high gloss and resistance to running.
After complete curing the films are characterized by excellent hardness, weathering resistance and yellowing. Remarkable application flexibility.

FIELD OF APPLICATION:

Thixotropic acrylic topcoat suitable for application of substrates intended for both indoor and outdoor use, to be applied to pastel and/or metallic BC, with special indication for automotive, cycle and motorcycle sectors. **Excellent direct adhesion on carbon fiber**.

PREPARATION OF THE SUBSTRATE:

Clearcoat **701.TIX10** should generally be applied over a clean, dust-free matte base coat.
The use of a dust-fixing cloth is recommended.

PREPARATION OF THE PRODUCT:

Comp. A:	**701.TIX10**	100 parts by Volume
Comp. B (*):	**CZ.760 (Standard)**	40 parts by Volume
	CZ.770 (Fast)	40 parts by Volume
Alternatively:	**CZ.711 (Standard)**	50 parts by Volume
	CZ.700 (Slow)	50 parts by Volume

Mix component A with stirrer (if possible) until completely homogenized. Possible thixotropic structure of the paint is not an indication of altered quality. The thixotropy index may also differ slightly from batch to batch depending on the storage time elapsed before use.

(*) Hardener and thinner should be chosen according to environmental conditions and the size of the piece.
*After catalysis, thin the mixture with 5-10% of our acrylic thinner **D.737** (Standard), or **D.727** (Slow).*

For high cabin temperatures (> 28 °C - 30 °C) and/or extensive surface applications, we recommend adding to the paint 3% - 5% of retardant **10304R.**

Also applicable with electrostatic systems; in this case, prefer ***D.727 (Slow).***

PRODUCT SPECIFICATIONS:

TYPE OF PRODUCT	: Two-component;
APPEARANCE OF THE FILM	: Glossy
COLORS	: Clear
SPECIFIC WEIGHT	: 0,99 Kg/l (± 0,05)
SUPPLY VISCOSITY [1]	: 50" (± 5") ASTM 4 at 20 °C.
DRY RESIDUE (A)	: 45% (± 2%)
DRYING	: - *Dry dust-free* : 10' - 15' at 20 °C - *Print-free* : 5 - 6 hours at 20 °C. - *Forced Drying* : 40' at 60 - 70 °C.
RECOMMENDED LAYERS	: Two full coats with 10/'15' flash off between the 2
RECOMMENDED THICKNESS	: 40– 50 micron dry
THEORETICAL YIELD	: 8,3 m^2/Lt or Kg at 50 micron dry
POT- LIFE AT 20 °C	: 2 hours. The pot-life decreases at higher temperatures

It is possible to raise the baking temperature up to 90 °C, thus achieving maximum product hardness and strength.

[1] Viscosity values refer to freshly produced paint. During storage this value may increase by as much as several units, this increase depends on the storage time from the temperature conditions of the storage and any temperature changes experienced by the paint during transport. Changes in viscosity up to a maximum of 30% of the initial value are to be considered normal and do not affect the quality of the product in any way.

THIXO TRANSPARENT GLOSS CUTS:

RATIO: 704.TIX40 / 701.TIX10		***CATALYSIS (%)***	***BRILLIANCE***
704.TIX40	**701.TIX10**	**CZ.760**	**(gloss at 60°)**
100	0	33	4.5 +/- 1
90	10	33	23 +/- 2
75	25	33	40 +/- 2
66	33	33	56 +/- 3
50	50	36	76 +/- 3
33	66	40	82 +/- 4
25	75	40	87 +/- 4
0	100	40	93 +/- 4

N.B.: *Sprayed gloss reading: 2 cross coats catalyzed on leneta A2 black primer. Baking 10' 80 °C.*

TEST QUV PANEL (ASTM G154 cycle 2):

Spray application to a sheet metal with primer and BC/aluminum.

Mixture preparation by weight	*Standard process*
701.TIX10	100
CZ.760	40
D.737	10
Baking	10' A.T. + 1 hour at 60 °C
Aging specimen	12 days A.T.
Total thickness (µ)	100
Final gloss (gloss at 60°)	101 +/- 1
Brilliance after 360 hours QUV test	99.5 +/- 0.4
ΔE after 360 hours QUV test	1,14 CIELab

BUCHHOLZ Hardness Test BH2000 (EN ISO NF 2815-2003):

Mixture preparation by weight	*Standard process*
701.TIX10	100
CZ.760	40
APPLICATION ON THICK GLASS: 150 µ WET	
Flash off	20' at A.T.
Baking	45' at 70 °C
Hardness (BH) after baking	60
Hardness (BH) after 1 day	85
Hardness (BH) after 7 days	101
Casting Limit (µ Wet)	125 – 150

XENON TEST (EN ISO 11341:2005):

Spray application to a carbon fiber specimen.

Mixture preparation by weight	*Standard process*
701.TIX10	100
CZ.760	40
D.737	10
Baking	10' A.T. + 1 hour at 70 °C
Aging specimen	12 days A.T.
Total thickness (µ)	100
Final gloss (gloss at 60°)	93 +/- 1
Brilliance after 2500 hours XENON TEST	87.4 +/- 0.4
ΔE after 2500 hours XENON TEST	0,52 CIELab

RECOATING:

Wet-on-wet after 15'/20 flash off or after complete curing after sanding with P400.

SAFETY REGULATIONS:

Strictly follow the instructions on the labeling and in the safety data sheet.

STORAGE CONDITIONS:

The storage room must be dry and with a temperature between +10 °C and +30°C.

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