

NEXUS[®]



PRODUCT CATALOG

PAINTS AND COMPLEMENTS - AUTOMOTIVE REFINISH

WE ARE IQL

IQL started its activities in 2006, and it was conceived to create solutions in technical paints and varnishes for the Automotive Refinish and Industrial Line.

Today, with the expansion of its production unit, **IQL** has an area of 5,600 square meters located in the district of Diadema/São Paulo.



OUR STRUCTURE

Inside its manufacturing plant, IQL has:

- **Factory of Industrial and Automotive Resins**
With a current capacity of **450 tons/month**
(Alkyd, Melamines, Polyester, Acrylics and Epoxy).

- **4 major laboratories:**

- Raw Material & Finished Products Analysis (QC)
- Research & Development
- Resin & Polymers
- UV Technology

Our laboratory is equipped with equipment that makes a difference in the development of new products and technologies, as well as in the quality control of our supply:

- WOM – Xenon Test
- QUV
- Datapaq
- Digital microscopy

MISSION

Fulfill the customers' goals and expectations by offering customized technical solutions through technological resources and fast response, combined with constant investments in:

- Research & development
- Infrastructure
- Training (people development)

VISION

Be benchmark in the General Industry and Automotive Refinish market as a supplier of technical coatings, with international quality, processes, technology and business management standards.

VALUES

- Commitment • Confidence • Responsibility • Respect • Credibility • Unity

HAVE YOU THOUGHT? DOES IT MAKE SENSE? IT HAS **NEXUS**[®]

A IQL – Paints & Coatings Solutions is proud to introduce its new brand of coatings for automotive refinish systems.

Following IQL's standard of quality, excellence and innovation, NEXUS was developed with high technology capable of meeting all the requirements of the automotive refinish markets in Brazil and in the world.

Our main goal is to offer professional automotive coatings and quality products properly tested to meet the technical specifications of all your demands. Products ranging from surface preparation to the finishing of the refinish system.



HIGH TECHNOLOGY LINE

NEXUS HIGH SOLIDS



For the high-tech line, **NEXUS** provides high-solids, high-performance polyurethane clears and primers with excellent coverage. **NEXUS** offers you high-strength products in the preparation and finishing of parts in partial or general painting for an excellent end result.



- ❶ **NX PRIMER PU HS 4X1 - CÓDIGO: PP-92-2848**
- ❷ **NX PRIMER PU HS 5X1 - CÓDIGO PP-92-2836**
- ❸ **NX VERNIZ PU HS 2X1 - CÓDIGO: VP-92-2844**
- ❹ **NX VERNIZ PU HS 5X1 - CÓDIGO: VP-92-2839**
- ❺ **NX VERNIZ PU HS FOSCO 5X1 - CÓDIGO:VP-92-2877**

PRODUCT	COMPOSITION	CATALYSIS AND DILUTION	APPLICATION VISCOSITY (25 °C)	MIXTURE - POT LIFE (25 °C)	EQUIPMENT	APPLICATION	DRYING	SANDING
NX PRIMER PU HS 4X1 PP-92-2848	Solvents, Acrylic and/or polyester resins, pigments and additives.	4:1 - For each 4 parts of Comp. A (PP-92-2848), 1 part of Comp. B (CT-93-2849). Dilute 20% with diluent (DI-93-2842).	20 to 22 seconds CF - 4	2h maximum	Gravity Feed/ Conventional spray gun. Air pressure from 40 to 50 lbf/in ² Nozzle 1.8 to 2.0 mm	Apply 2 to 3 coats at intervals of 5 to 10 minutes. 20 to 30 micrometers per coat	Air: Touch: 5 - 10 min Handling: 20 - 30 min Over: Flash Off: 10 a 15 min Cycle: 30 min a 60 °C	4 hours minimum Use 320 grit sandpaper and finish with 600 or 800
NX PRIMER PU HS 5X1 PP-92-2836		5:1 - For each 5 parts of Comp. A (PP-92-2836), 1 part of Comp. B (CT-93-2838). Dilute 20% with diluent (DI-93-2842).				Apply 2 to 3 coats at intervals of 5 to 10 minutes. 15 to 25 micrometers per coat		
NX VERNIZ PU HS 2X1 VP-08-2844	Acrylic resin, aromatic solvents and special additives.	2:1 - For each 2 parts of Comp. A (VP-92-2844), 1 part of Comp. B (CT-93-2843). Dilute 20% with diluent (DI-93-2842).	14 to 16 seconds CF - 4		Gravity Feed/ Conventional spray gun. Air pressure from 40 to 50 lbf/in ² Nozzle 1.2 to 1.4 mm	Apply 2 to 3 coats at intervals of 5 to 10 minutes. 20 to 30 micrometers per coat	Al aire a 25C: 16 horas (final) Horno (60 C): 30 minutos (final).	
NX VERNIZ PU HS 5X1 VP-08-2839		5:1 - For each 5 parts of Comp. A (VP-92-2839) 1 part of Comp. B (CT-93-2838). Dilute 20% with diluent (DI-93-2842).						
NX VERNIZ PU HS FOSCO 5X1 VP-92-2877		5:1 - For each 5 parts of Comp. A (VP-92-2877), 1 part of Comp. B (CT-93-2843). Dilute 20% with diluent (DI-93-2842).						

POLYURETHANE LINE

AUTOMOTIVE REPAIR

NEXUS polyurethane primers and clears have been designed to provide high performance and high physical strength. They present excellent spread and high gloss.

1 NX PRIMER PU 8X1

CÓDIGO: PP-92-2868

2 NX VERNIZ PU 5X1 P/USO

CÓDIGO: VP-92-2869

3 NX VERNIZ PU 8X1 P/USO

CÓDIGO: VP-92-3010



PRODUCT	COMPOSITION	CATALYSIS AND DILUTION	APPLICATION VISCOSITY (25 C)	MIXTURE - POT LIFE (25 °C)	EQUIPMENT	APPLICATION	DRYING	SANDING
PRIMER PU 8x1 PP-08-2869	Solvents, Acrylic and/or polyester resins, pigments and additives.	8:1 - Para cada 8 partes do Comp. A (PP-92-2868) 1 parte do Comp. B (CT-93-2920). Dilute 20% with diluent (DI-11-2842).	20 to 22 seconds CF - 4	2h maximum	Gravity Feed/ Conventional spray gun. Air pressure 40 to 50 lbf/ in ² nozzle 1.8 to 2.0 mm	Apply 2 to 3 coats at intervals of 5 to 10 minutes. 20 to 30 micrometers per coat	Air: Touch: 5 - 10 minutos Handling: 20 - 30 minutos Oven: Flash Off: 10 a 15 minutos Cycle: 30 minutos a 60 °C	4 hours min. Use 320 grit sandpaper and finish with 600 or 800
NX VERNIZ PU 5X1 P/USO VP-08-2869	Acrylic resin, aromatic solvents and special additives.	5:1 - For each 5 parts of Comp. A (VP-92-2869) 1 part of Comp. B (CT-93-2838).	14 to 16 seconds CF - 4		Gravity Feed/ Conventional spray gun. Air pressure 40 to 50 psi nozzle 1.2 to 1.4 mm		Air at 25C: Touch: 30 minutes Handling: 2 hours	-
NX VERNIZ PU 8X1 P/USO VP-08-3010		8:1 - For each 8 parts of Comp. A (VP-92-3010), 1 part of Comp. B (CT-93-2849)	14 to 18 seconds CF - 4		-			

FLEET LINE

BUSES, TRUCKS, ROAD IMPLEMENTS AND CAR PARTS

NEXUS Polyurethane coatings for the Frota line feature high technology, great hardness, excellent adhesion to carbon steel substrates, fast drying and easy sanding properties.

Recommended for painting metal structures, industrial equipment, road and agricultural implements.



SURFACE CLEANING AND PRETREATMENT

The surface cleaning and pretreatment are unquestionably among the most important stages of automotive refinishing. Therefore, NEXUS offers the best products for removing impurities and oils from car surfaces, such as dust, sandpaper powder, grease and silicone, which impair the adhesion to the surface to be painted. They are:

- 1 **NX SOLUÇÃO LIMPEZA** - CÓDIGO: DI-93-0100
- 2 **NX DESENGRAXANTE** - CÓDIGO DI-93-2841
- 3 **NX DESENGRAXANTE RAPIDO** - CÓDIGO DI-93-2934



CORROSION PROTECTION

- 1 **NX WASH PRIMER** CÓDIGO: WP-92-2824
Special two-pack vinyl resin-based primer. Excellent adhesion to non-ferrous metals.
- 2 **NX PRETO FOSCO VINÍLICO** CÓDIGO WP-92-2825
Two-pack, fast drying-drying vinyl primer with anti-corrosion properties and excellent adhesion.

PRODUCT	COMPOSITION	CATALYSIS AND DILUTION	MIXTURE - POT LIFE (25 °C)	EQUIPMENT	APPLICATION	DRYING
NX WASH PRIMER WP-92-2824	Vinyl, epoxy, phenolic resin, Mineral fillers, anti-corrosion organic and inorganic pigments; aromatic hydrocarbon and acetate.	2:1 - for each 2 parts of comp. A (WP-92-2824), 1 part of comp. B (CT-93-1296)	24h	Gravity feed spray gun air pressure of 40 to 50 lbf/in ² nozzle 1.8 to 2.0 mm	2 to 3 coats at intervals of 5 to 10 minutes. 20 a 30 micrometers per coat	À 25°C: Touch: 10 Min Handling: 2 H
NX PRETO FOSCO VINÍLICO WP-92-2825	Phosphoric acid, alcohols, ketones, aliphatic hydrocarbons and water.	2:1 - for each 2 parts of comp. A (WP-92-2825), 1 part of comp. B (CT-93-1296)	2h maximum	Gravity feed/ Conventional spray gun air pressure 20 to 30 psi nozzle 1.3 to 1.4 mm	1 to 2 coats at intervals of 5 to 10 minutes. 08 to 12 micrometers of total thickness	Air: oven: 20 – 30 minutes for 60°C to 100°C Primer application

COMPLEMENTS

- 1 **NX SELADORA P/ PLASTICO** - CÓDIGO: SP-91-0104
It promotes adhesion of primers and paints on plastic parts. Suitable for preparation and finishing of plastic surfaces.
- 2 **NX PRIMER UNIV. CINZA** - CÓDIGO PN-91-2845
NX PRIMER UNIVERSAL CINZA is single-component and provides fast drying and easy sanding. Product of easy application and excellent adhesion when directly applied over the Wash Primer.
- 3 **NX EPOXI BRANCO** - CÓDIGO: EP-92-3038
Two-component, high performance, high solids White Epoxy Enamel. Fast drying. Product of easy application, great filling capacity and excellent adhesion when directly applied to the Wash Primer.
- 4 **NX ANTI - CRATERA** - CÓDIGO: DI-93-2875
Silicone-based additive that prevents the appearance of craters (fish eyes) during application. Recommended for diluting polyurethane and polyester paints.
- 5 **NX NIVELADOR DE RETOQUE** - CÓDIGO: DI-93-2840
High solvency power and slow evaporation diluent that provides better film levelling and uniformity. Used over retouching to avoid the correction on the retouched area to be noticed.

DILUENTS

- 1 **NX DILUENTE EPOXI** - CÓDIGO: DI-93-1946
Recommended for diluting White Epoxy Enamel. It provides fast drying, excellent spreading rate and gloss retention.
- 2 **NX DILUENTE SINT. LACA NC** - CÓDIGO: DI-93-3027
Recommended for diluting Synthetic Enamel and Nitrocellulose Lacquer. It provides fast drying, excellent spreading rate and gloss retention.
- 3 **NX DILUENTE PU/POL.** - CÓDIGO: DI-93-2842
Diluent recommended for diluting polyurethane and polyester products (primers, PU paints, clears).

CATALYSTS

- 1 **NX CATALISADOR EPOXI** - CÓDIGO: CT-93-1951
Used to catalyze White Epoxy Enamel.
- 2 **NX CATALISADOR PU**
CÓDIGO: CT-93-2849 | CT-93-2838 | CT-93-2843 | CT-93-2920
It promotes the drying of polyurethane and polyester products (primers, PU paints, clears).
- 3 **NX CATALISADOR VINÍLICO** - CÓDIGO: CT-93-1206
It promotes the drying of the **NX WASH PRIMER** (CÓDIGO: WP-92-2824) and **NX PRETO FOSCO VINÍLICO** (CÓDIGO WP-92-2825).

READY PAINT LINE

SYNTHETIC ENAMEL

NEXUS synthetic enamels are single-component and available in a variety of colors to suit the automotive industry. Recommended for general and partial painting and retouching.

- ❶ **NX ESM SINT PRETO CADILAC** - CÓDIGO: ES-91-2858
- ❷ **NX ESM SINT PRETO FOSCO** - CÓDIGO: ES-91-2855
- ❸ **NX ESM. SINT. AL. OPALEC RODAS** - CÓDIGO: ES-91-3004

Catalysis: 10% NX CATALISADOR PU - CÓDIGO: CT-93-2920
20 to 25% DILUENTE PARA SINTÉTICO - CÓDIGO: DI-93-3027



NITROCELLULOSE LACQUER

Single-component nitrocellulose and synthetic resin-based lacquer. Available in various colors according to the automobile industry. Recommended for general and partial painting or retouch of automobiles.

- ❶ **NX LACA NC PRETO CADILAC** - CÓDIGO: LA-91-2871
- ❷ **NX LACA NC BRANCO GEADA** - CÓDIGO: LA-91-3007
- ❸ **NX LACA NC BRANCO PURO** - CÓDIGO: LA-91-2880
- ❹ **NX LACA NC PRETO FOSCO** - CÓDIGO: LA-91-3009
- ❺ **NX LACA AL. OPALEC RODAS** - CÓDIGO: LA-91-3005

Dilution: 100 to 120% with DILUENTE LACA SINTETICO CÓDIGO: DI-93-3027

BASE COAT

Single-component polyester resin-based base coat. Available in solid, metallic and pearl colors. It forms a double layer system by applying the PU clear over the polyester base.

NX CLEAR POLIESTER ❶

CÓDIGO: BN-91-2988

NX BINDER / CLEAR POLIESTER ❷

CÓDIGO: BN-91-3037

Dilution: Ready to use

CATALYSIS AND DILUTION SYSTEM

You can find above, in each NEXUS product line, the exact and precise measure of each mixture. Also visit our website www.iql.com.br and download our catalysis and dilution guide for our products.





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