



HXD

TECHNOLOGY

THE LATEST INNOVATION
FOR FURNITURE FINISHING:
HXD TECHNOLOGY,
EXCLUSIVELY FROM
SAYERLACK.

NEW HXD TECHNOLOGY: EXCLUSIVITY FROM SAYERLACK CERTIFIED BY INDEPENDENT LABORATORY TESTS

The new HXD TECHNOLOGY employs the very latest technology that allows you to obtain a very high level of three-dimensional reticulation of micro polymers. This guarantees a level of finish never before seen.

These new coatings, aimed at manufacturers of products that require special scratch resistance, truly increase the added value of the coated product thanks to an innovative controlled structure (micro polymer system), created through research carried out in Sayerlack's Laboratories and developed in its own facilities. The coatings from the new HXD TECHNOLOGY let you obtain **exceptional resistance, surface hardness, scratch and abrasion resistance**, yet leaving the surface transparency and softness unaltered. Independent comparison tests were performed on the new HXD TECHNOLOGY as well as for our other lines and those of our competitors: the results that emerged confirmed our highest expectations.

HXD TECHNOLOGY exceeds the **most modern design and quality needs in all various sectors of use**: from furnishings for rooms, kitchens or offices to parquet floors. HXD TECHNOLOGY available only from Sayerlack is **a complete line of transparent and colored coatings** - PU, Acrylics, waterborne, traditional UV, waterborne UV - already available on the market in different degrees of opacity.

POLYURETHANE AND ACRYLIC HIGH SCRATCH-RESISTANT HXD TECHNOLOGY COATINGS

TZ 90**/00

NEW ULTRA SCRATCH-RESISTANT POLYURETHANE HXD TECHNOLOGY COATING

This is an opaque coating for small, medium and large consumers because it is as **easy to apply** as a traditional, general use PU coating. **Excellent application characteristics and total versatility**: it can be applied with all kinds of spray systems including applications using automatic machines such as robots or automatic spray guns.

Very soft to the touch, it has an **excellent flow out and uniformity**. The main sectors of use are all the traditional ones for flat surfaces (kitchen and office tables, kitchen cabinet doors, furniture and office paneling, doors) where **top surface performance** is required. Available in 10, 20, 30 and 40 gloss versions.

TZ 93**/00

NEW ULTRA SCRATCH-RESISTANT ACRYLIC HXD TECHNOLOGY COATING

This new two pack acrylic coating has many advantages: **it is easy to apply**, making this product versatile and suitable for many different coating systems.

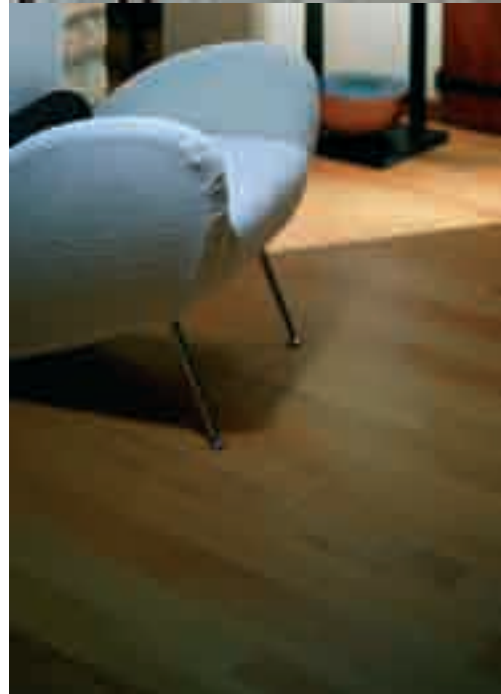
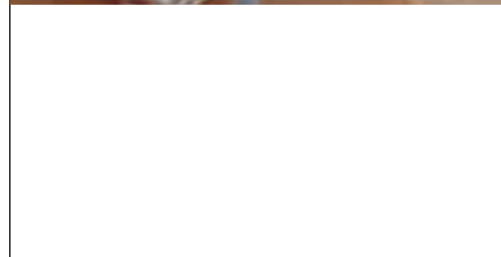
Total Anti-Yellowing: this is particularly suitable for coating light woods or where long lasting color is a must.

Excellent Wettability: this is perfect for open pore systems that favor porous woods and natural effects (kitchen cabinet doors, furniture).

Great Versatility: it can be applied with all kinds of spray systems including automatic and non-automatic high pressure options.

Available in 5, 10, 15, 25 and 40 gloss versions.

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COMPARISON TABLE		TZ 6220/00	TZ 9020/00	Competitors best product
Gloss level		20 gloss version	20 gloss version	35 gloss version
Mix with TH 759/00 hardener		50%	50%	-
Dilution with DT 13/00		40%	40%	-
Gloss level after 24 hours		20 gloss	21 gloss	38 gloss
Pencil Hardness after 24 hours		F	4H	H
Scratching due to abrasion with paper after 24 hours		very evident	no marks	very evident
Polishing due to abrasion with nails/plastic after 24 hours		very evident	not very evident	very evident
Resistance to abrasion with steel wool		poor	excellent	poor
Taber resistance (compared with 50 revolutions)		poor	good	poor
Appearance		yellowish	grayish	whitish
Initial viscosity seconds DIN 4		14.5"	14.5"	14.5"
Viscosity after 3 hours seconds DIN 4		17"	19"	17"
Dry solid content		37,95	39,5	-
Softness to the touch		soft	soft	very soft
Application methods		Low pressure spray	yes	yes
		High pressure spray	yes	yes
		Electrostatic spray	not available	not available
		Curtain coater	yes	yes
		Dipping	no	no
Flow		9	8	7
Stackability		8	8	8
Transparency		8	7	8
Coverage		7	8	7
Wettability		7	7	7
Verticality		6	6	6
Ethyl alcohol resistance (UNI EN 12-720 REGULATION)		3	5	3

ULTRA HIGH SCRATCH-RESISTANT UV ACRYLIC HXD TECHNOLOGY COATINGS

Sayerlack combines a new line of UV curing products with excellent surface hardness thanks to its unique HXD TECHNOLOGY. The complete line includes three coatings to satisfy the various application needs of the industry that makes final quality and production speed its weapons to win in today's market.

RZ 31**/00

Opaque acrylic coating for roller, can be applied to: **parquet floors**, paneling in general, and tabletops when **ultra high scratch-resistance is a must**. This finish is applied like a traditional UV coating, thereby underlining its **versatility of use**. Available in 10, 15, 20 and 80 gloss versions.

RZ 34**/00

Ultraviolet drying, acrylic coating applied with an engraved roller **for high application weight** where chemical/physical resistance and an excellent appearance is required. The main applications are for example, flat furniture paneling, parquet floors or anything that requires, incredibly high degree of surface hardness. Available in 20 gloss version.

RZ 35**/00

Dual Cure UV coating for kitchen cabinet doors and all furniture paneling (milled cabinets, rusticated or molded doors in general). **Excellent performance for open pore coatings**. The product can be applied with all kinds of high pressure spray systems and traditional curtain coaters. Available in 15 and 25 gloss versions.



ULTRA HIGH SCRATCH-RESISTANT WATERBORNE AND WATERBORNE UV HXD TECHNOLOGY COATINGS

The Sayerlack research laboratories have launched the latest technological innovation in terms of productivity and chemical/physical performance: the ultra high scratch-resistant waterborne coatings.

This new series of waterborne coatings pair **excellent surface characteristics with the environmental protection of waterborne coatings**: a blend destined to revolutionize the application method used by manufacturers of industrial products consuming large quantities of coatings.

Two products were developed that have the same surface characteristics of dry paint film: ultra high scratch resistance.

AT 96**/XX

Ultra high scratch-resistant Converter base and water-based coating for application by spray.

This is a water-based single component coating that can be pigmented or tinted to suit. Available in 10, 20 and 30 gloss versions.

AR 93**/00

Scratch-resistant waterborne UV coatings to apply with a curtain coater.

Flat application with the curtain coater, set up for use with waterborne products for a high production speed. Available in 10, 30 and 50 gloss versions.

Excellent appearance. Outstanding fill and transparency.

Soft to the touch and total lack of defects such as surface roughness, opacity and patchiness.

Safer to use than solvent borne products, and totally enviromentaly friendly.

HXD TECHNOLOGY CERTIFIED BY CATAS

The new HXD TECHNOLOGY series meets the strictest requirements in terms of pencil hardness and physical-chemical resistance: this is shown by the excellent results obtained from our certifications at the Independent CATAS Certifying Institute. Up to 6H pencil hardness (ASTM D 3363/05 - UNI10782/99) was obtained while, in terms of cold liquid resistance (EN12720/97) and dry heat resistance (EN12722/97), excellent results have been obtained.



Sayerlack is a brand of
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