



EUDERM® X-GRADE

A facelift for leather by hiding defects

» Intelligent upgrading technology
for leather finishing



TFL – Great chemicals. Excellent advice.

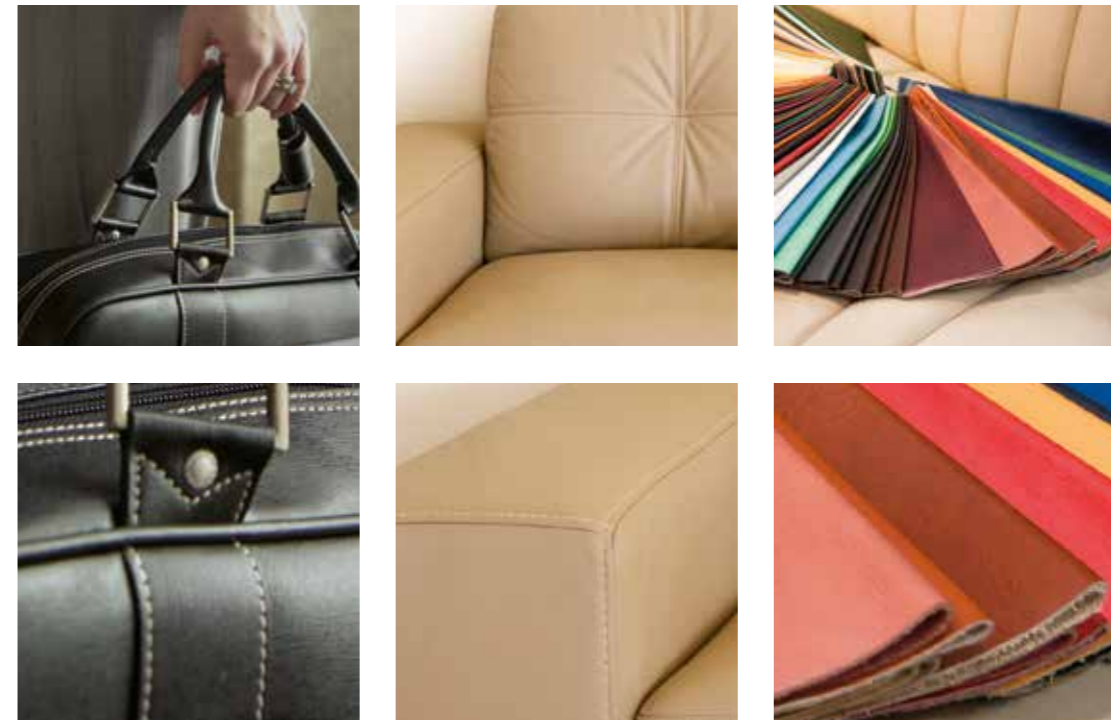
EUDERM® X-GRADE

Leather upgrading – A facelift for leather

Leather is vain. Leather aims for perfection. How? By having its unique naturalness highlighted while meeting today's strict demands on look, performance and economic feasibility. Unfortunately, conventional finishing practices are very often incapable of combining all these ambitious goals – not least because of leather's natural imperfections.


This is why EUDERM® X-Grade technology was developed and has been steadily improved – for hiding small and medium-sized grain-side defects that significantly lower the final product's commercial value. EUDERM® X-Grade products can be used either as the main component in up-grading prebottoms or as auxiliaries in base coats. It all depends on the final product, or the degree of damage that needs to be blended in.

Small pinholes or deep scratches, splits, full grain or corrected grain leather: The EUDERM® X-Grade technology offers finishers added-value solutions for leather. So why not give your leather an attractive, cost-effective facelift!



EUDERM® X-GRADE – How you benefit

- Uniform grain pattern over the entire surface
- More natural-looking corrected grain leather
- Greatly improved upgrading results despite fewer loading finishing layers
- Higher added value through upgraded leather
- Optimized cutting yield through higher proportion of full grain leather available for use
- Lower finishing costs through reduced material consumption

 More natural
looking leather
with less add-on

Upgrading technology for individual problems

The secret of EUDERM® X-Grade's upgrading success is based on the intelligent integration of micro-capsule technology into well-balanced binder and auxiliaries' matrixes. The technology behind it is certainly sophisticated and makes individual solutions to individual problems possible.

Application fields

Whether applied by well-established methods such as roll coating (direct or reverse), air, HVLP or airless spraying, the EUDERM® X-Grade technology covers up small and medium-sized hide defects, as the photos on the right demonstrate. Unlike common finishing systems, EUDERM® X-Grade upgrading products maintain their filling capacity after drying, resulting in an excellent covering of the defects, which in turn leads to a significantly improved cutting yield.

EUDERM® X-Grade finishing technology is particularly suitable for all kinds of leather articles, and in particular automotive, furniture and shoe upper leather. It is applied in prebottoms and/or base coats in combination with conventional base coat products.

Outstanding results

EUDERM® X-Grade technology eliminates defects like pinholes or cuts with astonishing success. By upgrading leather using this technology, tanneries can profit from a significant increase in cutting yield and an enhanced embossing pattern obtained with less loading finishing layers.

The EUDERM® X-Grade Process



1. EUDERM® X-Grade eliminates small or medium-sized hide defects.



2. Grain-side defects are completely filled through the EUDERM® X-Grade covering.



3. The leather acquires a smooth, uniform surface after buffing.



4. Original imperfections in the leather are no longer visible after finishing.

Upgrading

→ EUDERM® X-Grade CGS 2/CGS-C

For split leather and corrected grain leather with excellent buffing properties.

→ EUDERM® X-Grade FF

For full grain leather with enhanced adhesion properties.

→ EUDERM® X-Grade Soft

Transparent upgrading system with excellent adhesion properties, particularly for soft full grain, snuffed, aniline or pigmented leather. The product results in very soft leather articles with natural milling pattern. It reduces the amount of applied base coats and does not overload the grain.

→ EUDERM® X-Grade BGS (mainly for China)

For upgrading of elegant and more natural corrected grain articles with lighter finishes.

All X-GRADE products for upgrading show excellent hiding power.

Base coat

→ EUDERM® X-Grade SF

Single filler auxiliary for all kinds of base coat formulations with excellent coverage, print retention, cut through resistance and flex properties.

→ EUDERM® X-Grade MP 2

Developed for upgrading all kinds of pigmented leathers, this product develops its filling and upgrading power through the expansion of incorporated microcapsules when heat is applied during plating and/or embossing; this expansion capacity leads to improved yield and a more uniform embossing pattern with grain side.

→ EUDERM® X-Grade MS

Highly concentrated upgrading auxiliary for the use in pre- and base-coats. The expansion takes place when heat is applied during plating and/or embossing at temperatures between 90-120° C.



Guide Formulations

Prebottom for Split Leather (fine fibers)

Products	Standard	Application
AQUADERM® Pigments	0 - 100	1x reverse roll coat (8-12 g/sq.ft.), buff 400 paper, remove dust
EUDERM® X-Grade CGS 2	1000 - 900	

Prebottom for Split Leather (long fibers)

Products	Standard	Application
AQUADERM® Pigments	100 - 0	1x reverse roll coat (8-12 g/sq.ft.), buff 400 paper, mill for 2 hrs, stake
EUDERM® X-Grade CGS 2	750 - 850	
Binder	150	1x reverse roll coat (6-8 g/sq.ft.), buff 400 paper, remove dust

Prebottom for Corrected Grain Leather

Products	Standard	Application
AQUADERM® Pigments	0 - 100	1x reverse roll coat (3-4 g/sq.ft.), buff 400 paper, remove dust
EUDERM® X-Grade CGS 2	1000 - 900	

Prebottom for Full Grain Leather

Products	Standard	Application
AQUADERM® Pigments	0 - 100	1x reverse roll coat (2-3 g/sq.ft.)
EUDERM® X-Grade FF	1000 - 900	

Prebottom for Soft Full Grain Nappa Leather

Products	Standard	Application
AQUADERM® Pigments	50	1 - 2 x reverse coats (21 SS-roller) 2 - 4 g/sq.ft mill 8 hrs, stake, remove dust
Water	100	
EUDERM® X-Grade SOFT	850	
ACRYSOL™ RM-819W	2	

Base Coat for Automotive and Furniture Leather

Products	Standard	Application
AQUADERM® Pigments	100	1x reverse roll coat (6-12 g/sq.ft.) emboss, mill, stake
EUDERM® X-Grade SF	200	
Water	150	or 1x reverse roll coat (6-8 g/sq.ft.)
Binder	550	sandblast, mill, stake

Base coat for smooth shoe upper and bag Leather

Products	Standard	Application
AQUADERM® Pigments	100	1x spray coat (2 - 6 g/sq.ft.) iron 90°C / 40 bar / 10 mtr 1 x spray coat (2 - 4 g/sq.ft.)
EUDERM® X-Grade SF	150	
Water	350	
Binder	400	

Base Coat for Split Leather*

Products	Standard	Application
AQUADERM® Pigments	120	1x reverse roll coat (12 -14 g/sq.ft.) emboss 115° - 130°C, stake, remove dust
EUDERM® X-Grade MP 2	80 - 150	
or EUDERM® X-Grade MS	15 - 40	
Water	50	
Binder	600	
Auxiliaries	150 - 80	

Prebottom Base Coat for Corrected Grain Automotive Leather*

Products	Standard	Application
AQUADERM® Pigments	120	1x reverse roll coat (8-12 g/sq.ft.) emboss 115° - 130°C , mill, stake, remove dust
EUDERM® X-Grade MP 2	80 - 150	
or EUDERM® X-Grade MS	15 - 40	
Water	50	
Automotiv Compound	750 - 680	

* For the process you can use either EUDERM® X-Grade MP 2 or EUDERM® X-Grade MS, but not both together.



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