

AQUADERM® X-PIGMENTS

Play of colours when high performance meets consistency

» Water-based pigments for leather finishing



AQUADERM[®] X-PIGMENTS



Performance meets consistency

Ultimately, it's the finishing that gives leather its beautiful colour, its brilliance and its unique appearance. So there is a correspondingly strong demand for top-level leather products to create articles of the highest quality.

At the same time, innovative solutions are needed to comply with challenging environmental regulations and specific industry requirements regarding eco-efficiency and consumer safety.

That's why the water-based pigment range AQUADERM® X-Pigments has been developed. They deliver state-of-the-art performance characteristics while at the same time meeting all current demands for future-oriented finishing.

Water-based pigment solution

AQUADERM[®] X-Pigments have been specially designed for all kinds of premium leather applications where a very high standard of finishing quality is required, e.g. in the automotive segment. On the basis of carefully selected raw materials, excellent light fastness, heat and migration resistance, brilliancy and exact dosing properties can be achieved with AQUADERM® X-Pigments.

Besides, finishers benefit from their reliable product consistency, which is extremely important to ensure consistent colour reproducibility. Another decisive strength of AQUADERM® X-Pigments is the improved sustainability profile

of this advanced water-based pigment range.

AQUADERM® X-Pigments fulfill all major regulatory and industry requirements on ecologically produced leather that complies with the highest consumer protection standards. The entire product range consists of solvent-free pigment dispersions featuring very fine particles and only a low acrylate-based polymer binder content.

What's more, all products are casein-free and contain no emulsifiers, brightening agents or other additives capable of causing migration. According to current RSL, REACH and GADSL obligations, AQUADERM® X-Pigments meet the following criteria:

→ VOC-free (according to European) directive 1999/13/EC) ⇒ Free of heavy metals, such as mercury, cadmium, lead and arsenic → Chrome(VI)-free ⇒ Formaldehyde-free → Phthalate-free → Free of NMP, NEP and DMFA

The defining features of AQUADERM® X-Pigments are premium-level leather appearance and brilliancy combined with the satisfaction of a wide range of essential environmental and safety requirements.

AQUADERM[®] X-PIGMENTS – designed for premium leather application

EUDERM[®] X-GRADE SF



The ideal complement for using organic pigments



Remarkably higher colour strength and more brilliant colour shades are what tanneries are looking for. Organic pigments however have a lower covering power due to their chemical composition.

For this reason, it is recommended to use EUDERM® X-Grade SF as the perfect addition to EUDERM® X-Grade SF is well known for its high the organic AQUADERM® X-Pigments.

Beside its excellent hiding and upgrading power, this single finishing auxiliary significantly increases the covering power of such pigments without, however, negatively affecting their brilliancy.

EUDERM® X-Grade SF is suitable for all kinds of pigmented leather and has been designed to be used in high amounts as a single filling and upgrading agent in base and colour coats applied by roll coating or spraying. Simultaneously it also works as a matting agent.

performance in reducing tackiness during e.g. embossing, enhancing the covering effect of grain side defects and levelling out unevenly dyed crust leather.



Testcard for determination of covering power In testing, organic pigments show a clearly improved covering power when combined with EUDERM[®] X-Grade SF.



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Selecting the right colour



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Colouristic properties and performance

Pigment type

		Character									
			Solids approx. %								
			Lightfastness EN ISO 105-B02 full shade								
					Lightfastness EN ISO 105-B02 Reduction with white						
						Heat Yellowing at 100°C 144h full shade					
							Heat Yellowing at 100°C 144h Reduction with white				
							Fastness to migration DIN53343 on plasticized PVC				
						Covering ower					
										Brilliancy	
X-White CR	Titanium dioxide	Pigment for white finishes (reddish)	65	7	7	5	5	5	ххх	х	
X-White C	Titanium dioxide	Pigment for white finishes	65	7	7	5	5	5	xxx	х	
X-White S	Titanium dioxide	Economic for shading	62	7	7	5	5	5	xx	х	
X-Lemon B	Organic	Greenish, ligh yellow	28	7	7	5	5	5	х	XXX	
X-Golden Yellow B	Organic	Warm yellow with high brilliancy	33	6	5	5	5	5	х	XXX	
X-Orange B	Organic	Brilliant, warm orange	26	7	7	5	5	5	х	XXX	
X-Red B	Organic	Neutral red	28	6	6	5	5	5	xx	XXX	
X-Red Violet B	Organic	Brilliant typical red violet	27	7	6	5	5	5	XX	XXX	
X-Caramel C	Iron oxide	Yellow type with very high covering power	57	7	7	5	5	5	XXX	Х	
X-Brown C	Iron oxide	Reddish brown	55	7	7	5	5	5	XXXX	XX	
X-Bordeaux C	Iron oxide	Neutral brown	50	7	7	5	5	5	XXXX	XX	
X-Dark Brown C	Iron oxide	Neutral dark brown	56	7	7	5	5	5	XXXX	х	
X-Blue B	Organic	Neutral blue	28	6	6	5	5	5	х	XXX	
X-Violet B	Organic	Dark bluish violet	19	6	6	5	5	5	х	XXX	
X-Green B	Organic	Bluish green	28	7	7	5	5	5	х	XXX	
X-Black B	Carbon black	Brilliant black also for shading	20	7	7	5	5	5	ххх	XXX	
X-Black C	Carbon black	High solid pigment for black finishes	32	7	7	5	5	5	XXXX	XX	

Fastness to migration (According to grey scale ISO 105-A03)

- 5 = no staining of plasticized PVC
- 4 = slight staining of plasticized PVC
- 3 = noticeable staining of plasticized PVC
- 2 = pronounced staining of plasticized PVC 1 = very pronounced staining of plasticized PVC

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Covering power

x = low

xx = moderate

xxx = high

xxxx = very high

Brilliancy

x = low xx = medium xxx = high



