

Enabling  
history  
sustain



**Dear Customer,**

HARYANA presents this brochure to help you browse through our updated range of Syntans, Fatliquors and Finishing chemicals, and to let you select the most appropriate products for your leathers.

While speed in production and up-gradation dictated past few decades of leather chemistry, sustainability and REACH compliances will govern your next few decades. Reducing dependence on fossil fuel-based raw materials; incremental substitution of Petro-based products with biodegradable materials, and regulating banned substances are your growth challenges. Formulations presented in this brochure are carefully designed to enable you address these challenges.

All HARYANA products are REACH compliant and potentially reduce wastewater, sludge and VOC emissions to prevent any harm to consumer or the environment. Using clean technology practices, you will find it easy to align ecological soundness and technical performance - be it automotive leather or children's footwear. For more detailed information, please refer to the technical information leaflets and safety data sheets of individual products. Our local representatives are available to assist you on matters that require special attention, or else please feel free to contact us at : **info@leatherchem.com**.



**GLOBAL PRESENCE**



JV Partner - ICAP SIRA, Italy

Technical alliance - VISMON, Spain



- Heavy Metals & Chrom VI - free
- Arylamines (Azo group), Forbidden Amines - free
- AP/APEOs - free
- PFCs, SCCP - free
- Formaldehyde - free (except \* marked)
- Complies with VOC emission requirements for leather
- Meets INDITEX-CTW standards

## REPLACEMENT SYNTANS

|            |             | % Solid | pH  |
|------------|-------------|---------|-----|
|            | Syantn PM   | 97      | 3.5 |
| <b>NEW</b> | Syantn PM-N | 97      | 3.5 |
|            | Syantn PMX  | 97      | 3.5 |
|            | Syantn NX * | 97      | 4.0 |

## MULTI-FUNCTIONAL SYNTANS

|            |             | % Solid | pH  |
|------------|-------------|---------|-----|
| <b>NEW</b> | Tanone SPX  | 95      | 3.0 |
| <b>NEW</b> | Tanone EB-L | 40      | 5.0 |
| <b>NEW</b> | Tanone H-MK | 95      | 6.5 |
| <b>NEW</b> | Tanone HS   | 97      | 3.5 |
| <b>NEW</b> | SMA-Tan 22  | 18      | 9.0 |

## VEGETABLE TANNAGE - FUNCTIONAL BLENDS

|            |              | % Solid | pH  |
|------------|--------------|---------|-----|
| <b>NEW</b> | Vegatan H-EM | 95      | 4.5 |
| <b>NEW</b> | Vegatan SI   | 95      | 3.0 |

## FILLING / PROTEIN SYNTANS

|            |               | % Solid | pH  |
|------------|---------------|---------|-----|
|            | Syantn T      | 97      | 9.5 |
|            | Syantn R-MF * | 97      | 7.5 |
|            | Syantn PR     | 97      | 8.5 |
| <b>NEW</b> | Syantn ZFM    | 95      | 7.5 |

## PENETRATING / BLEACHING / PRE-TANNING SYNTANS

|            |               | % Solid | pH  |
|------------|---------------|---------|-----|
|            | Syantn S/PT * | 97      | 7.5 |
|            | Syantn BL     | 97      | 1.5 |
| <b>NEW</b> | Syantn VT     | 93      | 3.5 |

## DISPERSING / NEUTRALIZING SYNTANS

|  |              | % Solid | pH   |
|--|--------------|---------|------|
|  | Syantn OM    | 97      | 7.5  |
|  | Syantn PRS * | 97      | 7.0  |
|  | Syantn NT    | 98      | 8.25 |

## ACRYLIC RETANNING EMULSIONS

|            |             | % Solid | pH  |
|------------|-------------|---------|-----|
| <b>NEW</b> | Tan-Cryl HF | 35      | 4.5 |
|            | Retan 300   | 36      | 8.0 |
|            | Retan 38    | 38      | 7.0 |
|            | Retan OR    | 37      | 3.0 |
|            | Retan EML   | 36      | 5.0 |



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## EXTRA SOFT & LIGHT WEIGHT FATLIQUORS

|            |              | % Active   | pH |     |
|------------|--------------|--|----|-----|
| <b>NEW</b> | Neophol U 60 | Fatliquor for outstanding softness, mellow & nourished feel for garments and soft uppers. Lightfast sulphited synthetic + natural sulfated compounds.                                    | 55 | 7.0 |
| <b>NEW</b> | Nouvol S 49  | Fatliquoring agent for upholstery, very soft clothing and boot nappa leathers requiring high heat/light resistance. Based on neutral odour synthetic oils, softeners + emulsifiers.      | 65 | 7.0 |
| <b>NEW</b> | Neophol CX   | Phospho-Polymeric softening fatliquor for cloth like, light weight handle.   | 65 | 7.0 |
| <b>NEW</b> | Neophol S 66 | Fibre relaxing polymeric softening agents for flat grained leathers.   | 38 | 7.5 |
|            | Nouvol SR    | Phospho-Polymer, main fatliquor for very soft leathers, penetrates deep for excellent softness, fluffy handle and pleasant touch. Crusts are odourless, whiter and light/heat resistant. | 55 | 7.0 |
|            | Uphol PFK    | Lubricating polymers for tight smooth grain, improved fullness, spring and level dyeing. Excellent stability in electrolyte, fully lightfast and prevents heat yellowing.                | 55 | 7.0 |
|            | Nouvol LS 55 | Lecithin fatliquor for very soft articles requiring fullness & crushable handle.   | 52 | 8.0 |
| <b>NEW</b> | Neophol L 72 | Polymeric softening agent for soft, airy fullness and washability.   | 48 | 7.5 |
|            | Nouvol SV    | Inverse emulsion of water in oil for soft and damp touch.  | 52 | 7.0 |
|            | Nouvol PK    | Multifunctional, highly dispersing phosphoric ester with great penetration and crosslinking to fibre. Produces leathers having a very soft touch with light handle.                      | 52 | 7.5 |
| <b>NEW</b> | Neophol HMK  | Fibre relaxing polymeric softening agents for flat grained leathers. Penetrates deep for excellent softness.   | 40 | 7.5 |
| <b>NEW</b> | Uphol MX     | Softening fatliquor for extremely deep softness, stretch-ability and roundness for gloving, upholstery. Imparts inner softness, sophisticated feel & team strength.                      | 48 | 7.5 |

## CONVENTIONAL FATLIQUORS

|            |                | % Active  | pH |     |
|------------|----------------|---|----|-----|
|            | Maradol C      | Deodorised sulphited marine oil for full & soft leathers with warm handle.                        | 60 | 8.5 |
|            | Luber® G 60    | Multipurpose sulphited sperm oil substitute fatliquor. Used as main fat or in combination.        | 60 | 8.5 |
|            | Luber® NF      | Sulphonated neatsfoot oil substitute for very full and tight grained upper and suedes.            | 60 | 7.0 |
|            | Uphol 9R       | Deodorised Bisulphited fish oil + Synthetic tri-ester blend for softness, fullness & tight grain. | 60 | 8.5 |
|            | Luber® SN      | Fully synthetic fatliquor, electrolyte stable, lightfast, for tight grain & full handle.          | 65 | 7.5 |
|            | Luber® SAS     | Compact fatliquor for high softness, fullness, wet & waxy feel.                                   | 65 | 7.5 |
| <b>NEW</b> | Neophol S 66 R | Compact fatliquor with synergy of concentrated polymeric softeners and phosphated ester.          | 38 | 7.5 |
|            | Lubotop AM     | Emulsified blend of stable / lightfast free-oils. Penetrates deep for level grain & dyeing.       | 50 | 6.0 |
|            | Glovol HSN     | General purpose fatliquor - phosphated & synthetic blend for deep softness, damp / waxy feel.     | 50 | 7.5 |
|            | Glovol AS 29   | Universal synthetic fatliquor to be used as anionic combination component.                        | 50 | 7.0 |

## WATERPROOFING FATLIQUORS

|            |              | % Active  | pH  |     |
|------------|--------------|---|-----|-----|
|            | Repallon ESW | Water-repelling phospho-esters for soft/silky touch. Prevents white spots. Improves tear. | 60  | 7.0 |
|            | Repallon SRW | Siliconic additive to enhance water repellence.   | 100 | -   |
| <b>NEW</b> | Repallon EX  | Polymeric (silicon free) waterproofing fatliquor for higher Bally and Maeser values.      | 60  | 7.0 |

## AUTOMOTIVE FATLIQUORS

|            |             | % Active  | pH |     |
|------------|-------------|---|----|-----|
| <b>NEW</b> | Uphol LF 60 | Low fogging sulphited Oleo-Esters. Excellent heat-light fastness, softness and grain tightness.                     | 60 | 8.5 |
| <b>NEW</b> | Uphol UF-SR | Low fogging, Polymeric sulpho-esters. High Penetration for softness & fluffy handle. Excellent heat-light fastness. | 45 | 7.0 |

## EMULSIFIERS - DEGREASERS - CATIONIC FATS

|            |                 | % Active  | pH |     |
|------------|-----------------|---|----|-----|
| <b>NEW</b> | Bio-Surf 1000   | 100% bio-degradable, non-ionic wetting & dispersion agent based on vegetable feedstock.     | 50 | 7.5 |
|            | Sintol ALX      | Dispersing agent with excellent penetration for chrome tanning salts, syntans and dyes.     | 50 | 8.0 |
|            | Degresol UF 100 | Highly concentrated, high efficiency degreasing agent for sheep skins, pigs and goat skins. | 70 | 8.0 |
| <b>NEW</b> | Degresol UF 60  | General purpose degreasing auxiliary for the leather and fur industry.                      | 45 | 8.0 |
| <b>NEW</b> | Catanol DW      | Cationic fatliquor used as handle modifier at the end of process. Prevents dry grain.       | 50 | 4.5 |

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## ACRYLIC RESINS & BINDERS

|            |                 | % Solid   | pH     |
|------------|-----------------|---|--------|
|            | Acril-m Y 62    | Impregnation resin, medium soft, highly versatile, for corrected grain shoe upper.              | 30 6.5 |
|            | Acril-m Y 26    | Very soft Impregnation resin for full grain leather.  | 20 8.0 |
|            | Acril-m Y 93    | High solid impregnation resin, medium hard, universal application for corrected grain leather.  | 38 7.0 |
|            | Acril-m M 701   | Micro binder, soft, self crosslinking for highly natural look, and good cold crack resistance.  | 20 8.0 |
|            | Acril-m S 6072  | Soft binder for naked look - minimal loading.   | 36 5.0 |
|            | Acril-m S 55    | Very soft binder for excellent feel and good elongation properties.                             | 34 6.0 |
|            | Acril-m S 8/1   | General purpose soft binder, highly versatile for excellent adhesion and anchorage.             | 35 6.0 |
|            | Acril-m S 60    | High solid soft binder, thermo-crosslinkable for buffed leathers.                               | 48 6.5 |
|            | Acril -m S 6755 | Medium soft binder for good filling, adhesion and dry/wet rub fastness.                         | 36 7.0 |
|            | Acril -m X 858  | Medium soft binder, self crosslinkable for good cold crack, high water & solvent resistance.    | 35 9.5 |
|            | Acril-m X 01    | Medium soft transparent binder for high flex endurance and water resistance.                    | 34 8.0 |
|            | Acril-m X 79/60 | Main binder, medium soft & flexible, good cold crack resistance, for heavily corrected leather. | 36 5.0 |
|            | Acril-m KT 35   | Soft cationic binder - can partly replace cationic polyurethane binder.                         | 35 2.5 |
|            | Resina 60       | Thickening acrylic for roller / curtain coating of base coat finishes.                          | 29 3.0 |
| <b>NEW</b> | Tuf-Cryl VSF    | Plasticizing acrylic binder with very soft film-exceeds any previous standards. APEO/NPEO free. | 40 5.0 |
| <b>NEW</b> | Tuf-Cryl DX     | Acrylic binder with excellent Cold-Crack performance (-25°C) for high flexometer values         | 40 6.0 |

## POLYURETHANE BINDERS

|  |           | % Solid   | pH     |
|--|-----------|---|--------|
|  | Urez 891  | Aliphatic PU binder, medium soft, high solid, used as main binder for intercoat adhesion. | 35 7.5 |
|  | Urez 268  | Aliphatic PU binder, economical, medium hard, good milling properties.                    | 30 7.5 |
|  | Urez 898  | Aliphatic PU binder with pleasant waxy touch.   | 30 8.0 |
|  | Urez 894  | Aliphatic PU, used as main binder with tough, elastic & high endurance film.              | 30 8.0 |
|  | Urez 591  | Aliphatic PU binder, general purpose - medium soft.                                       | 12 7.5 |
|  | Urez 899  | Aromatic PU binder having very soft film with excellent intercoat adhesion.               | 18 7.5 |
|  | PUD 48 KT | Very soft cationic, aliphatic PU binder.  | 23 6.0 |
|  | PUD 40 KT | Soft cationic, aliphatic PU binder.   | 20 5.5 |

## POLYURETHANE TOP COATS

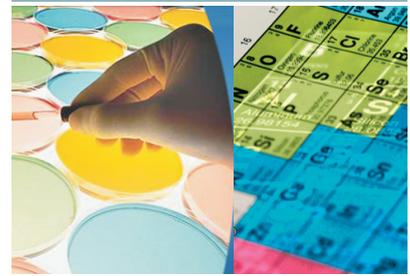
|            |                | % Solid  | pH     |
|------------|----------------|--|--------|
|            | Utop 161       | High solid, high gloss aliphatic PU top coat.  | 32 8.0 |
|            | Urez 785 G     | Aliphatic PU top coat - glossy.  | 25 8.0 |
|            | Urez 785 M     | Aliphatic PU top coat - matt.  | 22 9.0 |
|            | Utop Matt      | Aliphatic PU top coat - matt - having smooth feel with anti scratch additives.   | 17 9.0 |
| <b>NEW</b> | Regella Top M1 | Matt PU-top coat, natural touch, and a uniform well levelled matting without greying for high end upholstery / bag leathers. | 18 9.0 |

## PROTEIN BINDERS

|  |                 | % Solid  | pH     |
|--|-----------------|--|--------|
|  | Protop 18       | Fairly plasticised Protein Binder, used as main binder for galzed and polished finish. | 15 8.5 |
|  | Protop SP       | Polyamide based, plasticised Protein Binder for higher fastness and flexibility.       | 18 8.5 |
|  | Glaze Top N     | Medium soft Protein Binder with wax and feel modifier for silky touch and gloss.       | 13 8.5 |
|  | Glaze Top EC    | Medium soft Protein Binder with special waxes and anti sinking agents.                 | 12 8.5 |
|  | Glaze Top LM 58 | Hard Protein Binder for use as final top coat.   | 10 8.5 |
|  | GlazEx 72       | Waxy polishable Protein Binder for soft and silky feel.                                | 13 8.5 |
|  | Brillento 91 KT | Cationic Protein Binder, medium hard, improves polishability of pre-grounds.           | 6 3.0  |

## COMPACTS - PU and ACRYLICS

|            |             | % Solid  | pH     |
|------------|-------------|--|--------|
|            | Compact 15  | Medium soft Compact containing highly versatile acrylics, waxes and modifiers.               | 24 9.0 |
| <b>NEW</b> | Compact 24  | Dull Compact with good hiding power and rub resistance.                                      | 30 9.0 |
|            | Uphin 100   | PU -compact with excellent cold crack properties. Forms flexible film having very soft feel. | 23 9.0 |
| <b>NEW</b> | Uphin 21 WX | Compact binder with a unique natural waxy-oily touch and excellent Cold-Crack performance    | 25 8.5 |



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## LACQUERS - AQUEOUS & SOLVENT

|            |               | % Solid   | pH     |
|------------|---------------|---|--------|
| <b>NEW</b> | Haquatop 328  | Highly concentrated, high fastness, high gloss water dilutable top coat.                      | 26 7.0 |
| <b>NEW</b> | Hicalac W 309 | NC top coat, aqueous, non loading, low gloss, warm waxy feel for high end nappas and softy.   | 12 8.5 |
|            | Hicalac 316   | Medium gloss lacquer emulsion for top or intermediate coat.                                   | 17 8.5 |
| <b>NEW</b> | Hicalac 312   | Medium gloss, general purpose lacquer emulsion.   | 12 8.5 |
|            | Hicalac Matt  | Dull lacquer emulsion with a pleasant feel.   | 16 8.0 |
|            | Aquasol W 100 | Self emulsifiable lacquer top coat - water and solvent dilutable.                             | 28 7.0 |
|            | Top 46®       | Highly concentrated, solvent dilutable, high gloss top coat.                                  | 42 -   |
|            | Matt Top®     | Solvent dilutable matt top finish with a feel modifier for smooth handle.                     | 12 -   |
|            | Clear Top     | Collodian free (NC free), CAB based clear, non-pigmented top coat - solvent dilutable.        | 15 -   |
|            | White Top     | Collodian free (NC free), CAB based white pigmented top coat - solvent dilutable.             | 23 -   |
| <b>NEW</b> | Finilac-CLF   | Collodion-free (nitro-free) aqueous lacquer emulsion of cellulose ester, having medium gloss. | 15 8.0 |

## FILLERS & WAXES

|  |              | % Solid   | pH      |
|--|--------------|---|---------|
|  | Wax 16/S     | Wax dispersion with Protein & Silicones - reduces tack and imparts soft and pleasant touch. | 15 9.0  |
|  | Neowax ST    | Non-ionic wax emulsion for full and smooth feel and strong masking action.                  | 8 8.5   |
|  | Filler 50    | Wax emulsion based on soft waxes for improving touch and masking defects.                   | 7.5 9.5 |
|  | Filler 12/61 | Colloidal filler (free from waxes) for filling heavy defects, snuffed leather and splits.   | 22 7.5  |
|  | Celina P 73  | Polish wax for full grain aniline leathers - ground coat for glossy aniline.                | 22 8.0  |
|  | Celina P 31  | Wax emulsion for Burnishing effect - blend of natural and synthetic waxes.                  | 22 8.5  |
|  | Celina BW    | Burnishing wax emulsion - Carnuba wax based.  | 30 7.0  |
|  | Filler KT    | Mildly Cationic waxy filler and feel modifier (binder free), for polishing pre ground.      | 20 6.0  |

## TOUCH MODIFIERS - AQUEOUS & SOLVENT

|            |               | % Solid  | pH     |
|------------|---------------|--|--------|
| <b>NEW</b> | Sensallon W   | Waxy feel modifier, water dilutable, for soft feel, natural look on high end garment/bag leathers. | 36 8.0 |
|            | Finish M 45   | Non-ionic Slip Agent / modifier - water dilutable. Also suitable for cationic finishing system.    | 16 7.5 |
|            | Finish M 15   | General purpose emulsified Siliconic modifier - water dilutable.                                   | 7 7.0  |
|            | Modifier CA/2 | Cationic modifier with waxy feel - water dilutable. Also suitable for cationic finishing system.   | 9 7.5  |
|            | Celina 34 KT  | Cationic feel modifier with anti static properties - water dilutable. Recommended for PUDs.        | 12 6.5 |
|            | Modifier WS   | Water based touch modifier for greasy / buttery feel.  | 38 9.0 |
|            | Touchlon S 55 | Solvent dilutable Slip Agent based on Amino Silicones.   | 11 -   |
|            | Modifier 32   | Amino Silicon, solvent based Slip Agent.   | 12 -   |

## CORRECTION AGENTS FOR DEFECTS

|            |            | % Solid   | pH     |
|------------|------------|---|--------|
|            | Primer PFR | Soft primer for defect coverage, upgradation and feel improvement.      | 19 9.0 |
| <b>NEW</b> | Stuko HKC  | Mender Putty for defect coverage. Based on PU binders and Microspheres. | 27 9.0 |

## PULL-UP OILS & AUXILIARIES

|  |                | % Solid   | pH     |
|--|----------------|---|--------|
|  | Pullol 411     | Pull-Up oil with a dry touch-in solvent medium.   | 92 -   |
|  | Waxol WP       | Solvent Pull-Up wax blend for dark pull-ups with a warm waxy feel, applied by heated roller.    | 92 -   |
|  | Luber® LMC     | Solvent dilutable synthetic / natural Pull-Up oil blend.  | 98 -   |
|  | Pull-up 30     | Oily filler for a light Pull-Up effect and an oily touch (timberland finish) - water dilutable. | 98 -   |
|  | Pull-up Wax 58 | Additive wax for Pull-Up or crunch effects. Waxy and smooth feel, enables high temp plating.    | 30 6.5 |

## PENETRATORS & LEVELLING AGENTS

|            |              | % Solid   | pH     |
|------------|--------------|---|--------|
|            | Luber® 205   | General purpose penetrating agent.  | 5 4.0  |
| <b>NEW</b> | Luber® 150   | Highly flexible Phosphated penetrating agent for more controlled penetration. | 19 9.5 |
|            | Leveller 168 | Surface tension modifier, levelling agent.                                    | 8 8.0  |

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## CATIONIC FINISHES

|                 |  | % Solid | pH  |
|-----------------|--|---------|-----|
| PUD 48 KT       | Very soft cationic aliphatic PU Binder.  | 23      | 6.0 |
| PUD 40 KT       | Soft cationic, aliphatic PU Binder.  | 20      | 5.5 |
| Acril-m KT 35   | Soft cationic binder - can partly replace cationic polyurethane binder.                          | 35      | 2.5 |
| Brillento 91 KT | Cationic Protein Binder, medium hard, to improve polishability of pre-grounds.                   | 6       | 3.0 |
| Filler KT       | Mildly cationic waxy filler and feel modifier, binder free for polishing pre ground.             | 20      | 6.0 |
| Finish M 45     | Non-ionic Slip Agent / modifier - water dilutable. Also suitable for cationic finishing system.  | 16      | 7.5 |
| Celina 34 KT    | Cationic feel modifier with anti static properties - water dilutable. Recommended for PUDs.      | 12      | 6.5 |
| Modifier CA/2   | Cationic modifier with waxy feel - water dilutable. Also suitable for cationic finishing system. | 9       | 7.5 |
| Black 33 KT     | Cationic black pigment dispersion.   | 30      | 4.0 |

## PIGMENTS & DYE SOLUTIONS

|                                    |   | % Solid       | pH |
|------------------------------------|---|---------------|----|
| Pigments` Nano <sup>®</sup> Series | Anionic nanosized (very fine particle size) pigment dispersions - near casein free. | Refer Table 1 |    |
| Novolene <sup>®</sup> Series       | Anionic dye solutions - high brilliancy type.                                       | Refer Table 2 |    |
| Novolene <sup>®</sup> `HC` Series  | Anionic, high concentration, high brilliancy dye solutions.                         | Refer Table 2 |    |

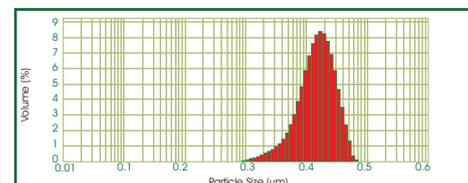
Nano<sup>®</sup> Series Technical Data Table 1

| colors               | Solids  | pH       | Nature    |
|----------------------|---------|----------|-----------|
| Deep Black           | 20 ± 1% | 8.5-9.5  | Organic   |
| Black 12             | 19 ± 1% | 9.5-10.5 | Organic   |
| Black Super          | 17 ± 1% | 9.5-10.5 | Organic   |
| Brown 8              | 34 ± 1% | 9.5-10.5 | Inorganic |
| Brown 80             | 34 ± 1% | 9.5-10.5 | Inorganic |
| Brown 89             | 34 ± 1% | 9.5-10.5 | Inorganic |
| Tan                  | 34 ± 1% | 9.5-10.5 | Inorganic |
| Yellow 326           | 34 ± 1% | 9.5-10.5 | Inorganic |
| Yellow ORG           | 26 ± 1% | 9.5-10.5 | Organic   |
| <b>NEW</b> Yellow CF | 28 ± 1% | 9.5-10.5 | Organic   |
| Fire Red             | 26 ± 1% | 9.5-10.5 | Organic   |
| Bordeaux             | 25 ± 1% | 9.5-10.5 | Mixed     |
| <b>NEW</b> Orange LF | 28 ± 1% | 9.5-10.5 | Organic   |
| Blue 1               | 25 ± 1% | 9.5-10.5 | Organic   |
| Blue 9               | 24 ± 1% | 9.5-10.5 | Organic   |
| White                | 50 ± 1% | 7.0-8.0  | Inorganic |

Novolene<sup>®</sup> & `HC` Technical Data Table 2

| colors | Novolene | Novolene-HC |
|--------|----------|-------------|
| Black  | 8±1%     | 13±1%       |
| Brown  | 8±1%     | 12±1%       |
| Red    | 8±1%     | 10±1%       |
| Orange | 8±1%     | 12±1%       |
| Yellow | 8±1%     | 12±1%       |
| Blue   | 8±1%     | 10±1%       |
| Green  | 8±1%     | 10±1%       |
| Pink   | 8±1%     | 10±1%       |
| Purple | 8±1%     | 10±1%       |

Nano<sup>®</sup> Series Pigments-Particle size distribution



Nano<sup>®</sup> / Novolene<sup>®</sup> series shade cards - on request.

Nano<sup>®</sup>, Novolene<sup>®</sup>- are the registered trademark owned by HARYANA

ISO 9001:2015

REACH Compliant

ISO 14001:2015





Committed to sustainable technologies

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