

Our products and services help customers worldwide reduce costs, shorten lead times and meet quality specifications. DyStar – Shaping success.



Belgium
 DyStar Benelux
 Louizalaan 200/B132
 Avenue Louise 200/B132
 1050 Brussel/Bruxelles
 DyStar.Benelux@DyStar.com

Brazil
 DyStar Ltda.
 Av. Eng.º Luis Carlos Berrini
 1645-11º andar, Cidade Monções
 CEP 04571-011, São Paulo / SP
 Tel.: ++55-11-55 08 36 84
 Fax: ++55-11-55 08 36 23
 DyStar.Brazil@DyStar.com

China/Hong Kong
 DyStar China Ltd.
 18/F, Yen Sheng Centre
 64 Hoi Yuen Road
 Kwun Tong, Hong Kong
 Tel.: ++85-2-29 55 33 88
 Fax: ++85-2-29 55 11 88
 DyStar.China@DyStar.com

China/Shanghai
 DyStar (Shanghai) Trading Co., Ltd.
 10/F, Section 1002, Building No. 9
 99 Tian Zhou Road
 Shanghai Caohejing Hi-Tech Park
 Shanghai 200233
 Tel.: ++86-21-61 15 91 18
 Fax: ++86-21-61 15 90 03
 DyStar.China@DyStar.com

France
 DyStar France s.a.r.l.
 Rue des Entrepreneurs 15
 59700 Marcq en Baroeul
 Tel.: ++33-320 42 31 34
 Fax: ++33-320 42 31 46
 DyStar.France@DyStar.com

Germany
 DyStar Vertrieb D-A-CH/Nordica
 65926 Frankfurt am Main
 Tel.: ++49-69-21 09-22 36
 Fax: ++49-69-21 09-26 06
 DyStar.Germany@DyStar.com

India
 DyStar India Private Limited
 Marwah House, Ground Floor
 Krishanlal Marwah Marg
 Saki Vihar Road, Saki Naka
 Andheri East, Mumbai 400 072
 Tel.: ++91 22-40 34 90 00
 Fax: ++91 22-40 34 90 10
 DyStar.India@DyStar.com

Indonesia
 PT DyStar Colours Indonesia
 Menara Global Building
 22nd Floor
 Jln. Gatot Subroto Kav. 27
 Jakarta 12930
 Tel.: ++62-21-527 05 50
 Fax: ++62-21-527 05 20
 DyStar.Indonesia@DyStar.com

Italy
 DyStar Italia S.r.l.
 Via delle Groane 126
 20024 Garbagnate Milanese (MI)
 Tel.: ++39-02-99 44 01
 Fax: ++39-02-99 02 83 91
 DyStar.Italy@DyStar.com

Japan
 DyStar Japan Ltd.
 7-20, Azuchimachi 1-chome,
 Chuo-ku, Osaka 541-0052
 Tel.: ++81-6-62 63 66 72
 Fax: ++81-6-62 63 66 91
 DyStar.Japan@DyStar.com

Korea
 DyStar Korea Ltd.
 141-28, 10th fl.
 Dong Shin Building
 Samsung-dong, Kangnam-gu,
 P.O. Box Kangnam 537
 135-090 Seoul
 Tel.: ++82-2-34 52 78 78
 Fax: ++82-2-34 52 78 76
 DyStar.Korea@DyStar.com

Mexiko
 DyStar de México S. de R.L. de C.V.
 Arenal 24 – Edificio Sur – 3er. Piso
 Col. Ex-Hda. Gpe. Chimalistac
 01050-México, D. F.
 Tel.: ++52-55-53 22 51 00
 Fax: ++52-55-56 62-56 18
 DyStar.Mexico@DyStar.com

Pakistan
 DyStar Pakistan (Private) Limited
 Bahria Complex-II, 2F
 M. T. Khan Road
 Karachi-74000
 Tel.: ++92-21-561-18 19
 Fax: ++92-21-561-16 24
 DyStar.Pakistan@DyStar.com

Portugal
 DyStar Anilinas Têxteis
 Unipessoal, Lda.
 Rua Manuel Pinto de Azevedo, 626
 4100-320 Porto
 Tel.: ++351-22-6 15 31 80
 Fax: ++351-22-6 15 31 90
 DyStar.Portugal@DyStar.com

Singapore
 DyStar Singapore Pte. Ltd.
 152 Beach Road
 #37-00 The Gateway East
 Singapore 189721
 Tel.: ++65-62 98 79 22
 Fax: ++65-62 95 53 08
 DyStar.Singapore@DyStar.com

South Africa
 DyStar South Africa (Pty) Ltd.
 16 Henwood Road, P.O. Box 1421
 Pinetown 3610
 Tel.: ++27-31-710 65 10
 Fax: ++27-31-709 37 22
 DyStar.SouthAfrica@DyStar.com

Spain
 DyStar Hispania, S.L.,
 Sociedad Unipersonal
 c/Famadadas, 37-57
 08907 Hospitalet de Llobregat
 Tel.: ++34-93-2 64 04 40
 Fax: ++34-93-2 64 04 58
 DyStar.Spain@DyStar.com

Taiwan
 DyStar Taiwan Ltd.
 5th Fl., No. 196, Sec. 2
 Chien Kuo N. Road
 104 Taipei, Taiwan, R.O.C.
 Tel.: ++886-2-25 16 37 77
 Fax: ++886-2-25 16 81 99
 DyStar.Taiwan@DyStar.com

Thailand
 DyStar Thai Ltd.
 193 Lake Rajada Building
 17th floor
 Ratchadapisek Road
 Klongtoey, Bangkok 10110
 Tel.: ++66-2-2 64 04 70
 Fax: ++66-2-2 64 04 74
 DyStar.Thai@DyStar.com

Turkey
 DyStar Tekstil Boya ve Teknolojisi
 Sanayi Ticaret Limited Şirketi
 Istanbul-Trakya Serbest Bölgesi
 Atatürk Bulvarı, Begonya Sk. No.1, K3
 34540 Çatalca – Istanbul
 Tel.: ++90-212-866 50 00
 Fax: ++90-212-866 50 90 /91 /92
 DyStar.Turkey@DyStar.com

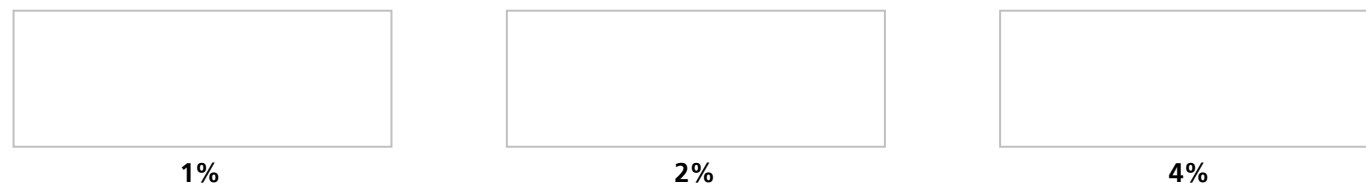
United Kingdom
 DyStar UK Ltd.
 Unit 2/Pennine Business Park
 Bradley Road, Huddersfield
 West Yorkshire HD2 1RA
 Tel.: ++44-14 84 - 41 14 00
 Fax: ++44-14 84 - 41 14 01
 DyStar.UK@DyStar.com

USA
 DyStar L.P.
 9844-A Southern Pine Boulevard
 Charlotte, NC 28273
 Tel.: ++1-704-561 30 00
 Fax: ++1-704-561 30 05
 DyStar.USA@DyStar.com

Levafix® Deep Red CA

A new dimension especially for Deep Red, Burgundy and Brown shades within the high performance segment

Levafix Deep Red CA: Technical properties



- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> Exhaust dyeing process | <input checked="" type="checkbox"/> Pad-dry-pad-steam process | <input checked="" type="checkbox"/> Eontrol® process |
| <input checked="" type="checkbox"/> PES/CEL reverse process | <input checked="" type="checkbox"/> Pad-dry-steam process | <input checked="" type="checkbox"/> Pad-dry-thermofix process |
| <input checked="" type="checkbox"/> Cold pad-batch process | <input checked="" type="checkbox"/> Pad-steam process | <input checked="" type="checkbox"/> TTN process |

Solubility under dyeing conditions

Neutral substantivity	medium	Glauber's salt		Common salt	
Reactivity	high	50 g/l	80 g/l	50 g/l	80 g/l
Fixation value	> 80%	15	15	15	15

Fastness properties (bleached, mercerised woven cotton fabric)

Standard depth	1/3	1/1	2/1
Light fastness ISO 105-B02	4-5	4-5	5

Standard depth 1/1	F	CTA	CA	CO	PA 6.6	PES	PAN	CV	WO
Home laundry / washing 50 °C / ISO 105-C06-B2S	4-5		4-5	4-5	4-5	4-5	4-5		4-5
Home laundry / washing 60 °C / ISO 105-C06-C2S	4-5	4-5		4-5	4-5	4-5	4-5	4-5	
Home laundry / washing 60 °C, 5x / ISO 105-C06-C2S	4-5	4-5		4-5	4-5	4-5	4-5	4-5	
Washing 50 °C / 120 °F AATCC TM 61-2A	4-5		4-5	4-5	4-5	4-5	4-5		4-5
Perspiration alkaline / M&S C7	4-5		4-5	4-5	4-5	4-5	4-5		5

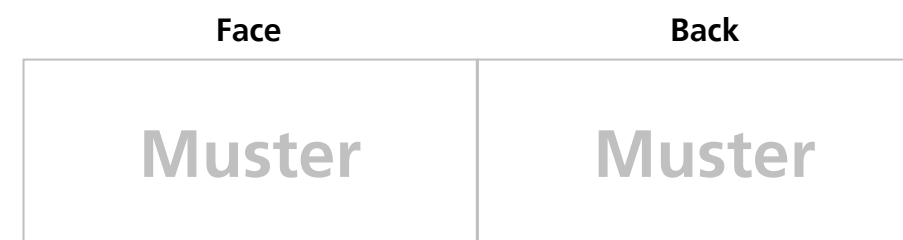
Standard depth 1/1	F	CO	WO
Water fastness, severe / ISO 105-E01	4-5	4-5	4-5
Perspiration fastness, alkaline / ISO 105-E04	4-5	4-5	4-5
Perspiration fastness, acid / ISO 105-E04	4-5	4-5	4-5
Perspiration light fastness, alkaline / In-house test	4-5		
Perspiration light fastness, alkaline / Nike test	4-5		
Fastness to chlorinated water (20 mg/l active chlorine) ISO 105-E03	4-5		
Hot pressing, dry immediate / 4 h ISO 105-X11-T	2-3 / 4-5		
Hot pressing, wet immediate / 4 h ISO 105-X11-N	3-4 / 4-5	5	
Rubbing dry/wet / ISO 105-X12		4-5 / 3-4	
Nitrogen oxides, 1x/3x / ISO 105-G01	4-5 / 4-5		
Dry-cleaning (perchloroethylene) ISO 105-D01	4-5 / 4-5		

CPB Levafix CA methods

Method	Solubility (g/l)		Liquor stability (min)			Fixation time (h)		
	without urea	100 g/l urea	20 °C	25 °C	30 °C	merc. CO	CO	CV
Silicate 50 / Caustic soda	80	80	60	45	30	8	8	8
Soda ash / Caustic soda	80	80	20	15	10	12	12	12

Levafix Deep Red CA: The first choice for performance driven Deep Red, Brown and Burgundy shades

Minimum two sidedness on emerized fabric



- Unique build-up behaviour and very high tinctorial strength
- High degree of fixation and outstanding wash-off behaviour
- Meets modern fastness requirements

Homogeneous built up in a trichromat



Recipe:

Levafix Amber CA	%	0.640
Levafix Deep Red CA	%	1.280
Levafix Blue CA	%	1.320
NaCl	g/l	60.000
Soda ash	g/l	15.000
Liquor ratio		1:10
Fixation time	min	60
Process	60 °C	Isothermal

Parameters:

1 Standard		9 Soda ash	+ 10%
2 Overfill	+ 10%	10 Time	- 15 min
3 Underfill	- 10%	11 Time	+ 15 min
4 Overfill	+ 20%	12 Temperature	- 5 °C
5 Underfill	- 20%	13 Temperature	+ 5 °C
6 Salt	- 10%	14 Liquor ratio	- 30%
7 Salt	+ 10%	15 Liquor ratio	+ 30%
8 Soda ash	- 10%		

