



DuPont Surface Protection Solutions for Leather

PRODUCT LINE OVERVIEW



The miracles of science™

Branded End-Uses

PROPERTIES	Zonyl® 602 coating	Zonyl® 602T	Zonyl® 603	Zonyl® 604
Appearance	Milky dispersion	Milky dispersion	Milky dispersion	Milky dispersion
Solids (%)	29 - 31	15 - 18	24 - 26	27 - 29
Ionic character	Anionic	Anionic	Anionic	Anionic
Solvent	Water; propylene glycol (10%)	Water; propylene glycol (10%)	Water; dipropylene glycol (14%)	Water; propylene glycol (5%); dipropylene glycol (7%)
pH	6 - 7	5 - 7	6 - 8	6 - 8
Density at 20°C	1.08	1.05	1.08	1.08
Flash point	none	none	>120°C	none
Boiling point	~100°C	~100°C	~100°C	~100°C
Freezing point	< 0°C	< 0°C	< 0°C	< 0°C
Freeze/thaw stability	yes	yes	yes	yes
Application methods	Drum application for Teflon® coatings	Drum or finishing for Teflon®	Drum or finishing for Hydrology™ & Teflon®	Drum application for Hydrology™ leather tanning science
End-uses	Garments, footwear, gloves, accessories, upholstery	Garments, footwear, gloves, accessories, upholstery	Garments, footwear, gloves, accessories	Garments, footwear, gloves, accessories
Benefits	Used in wet processing in drums, this product provides durable protection from water, stains and soil, as well as improved crocking colorfastness.	Used in either wet processing steps or in a spray finish, this product provides protection from water and stains with minimal change in hand and color. This product can also improve crocking colorfastness, as well as impart easy-clean properties.	Used in either wet processing steps or in a spray finish, this product provides protection from water and stains, as well as improved colorfastness with minimal change in hand and color.	Used in wet processing in drums, this product provides durable protection from water, stains and soil, as well as improved colorfastness with minimal change in hand and color.

Purchasing the Zonyl® or Foraperle® products does not grant the right to use the Teflon® and Hydrology® brands or trademarks. A separate Trademark license from DuPont grants the right to use the Teflon® and Hydrology® marks for applications desired/requested. Please contact your DuPont Sales Representative for further information.

Unbranded End-Uses

PROPERTIES	Foraperle® 225 coating	Foraperle® 226	Foraperle® 303D	Foraperle® 315
Appearance	Translucent liquid	Translucent liquid	Milky dispersion	Milky dispersion
Solids (%)	24 - 26	24 - 26	29 - 31	29 - 31
Ionic character	N/A	N/A	Anionic	Anionic
Solvent	Butyl acetate	Isopropyl acetate	Water; propylene glycol monomethyl ether (5%)	Water; propylene glycol monomethyl ether (10%)
pH	N/A	N/A	4.5 - 6.5	4.5 - 6.5
Density at 20°C	0.97	0.95	1.03	1.03
Flash point	26°C	1°C	none	none
Boiling point	120°C	90°C	~100°C	~100°C
Freezing point	< -18°C	< -18°C	~ -5°C	~ -5°C
Freeze/thaw stability	N/A	N/A	no	no
Application methods	Finishing or after-care	Finishing or after-care	Drum, finishing, after-care	Drum, finishing, after-care
End-uses	Garments, gloves, accessories, upholstery, after-market (pressurized can)	Garments, gloves, accessories, upholstery	Garments, gloves, accessories, upholstery, after-market (in creams or aqueous protective solutions)	Garments, accessories, gloves, upholstery, after-market (in creams or aqueous protective solutions)
Benefits	Used in finishing processes to impart water- and oil-repellency, as well as anti-stain properties. Also used in after-market pressurized can applications.	Used in finishing processes to impart water- and oil-repellency, as well as anti-stain properties. Also used in after-market pressurized can applications.	Used in the drum or in finishing processes to impart water- and oil-repellency, as well as anti-stain properties.	Used in the drum or in finishing processes to impart water- and oil-repellency, as well as anti-stain properties.

Zonyl® 702W

Milky dispersion

29 - 31

Anionic

Water;
propylene glycol (10%)

6 - 7

1.08

none

~100°C

< 0°C

yes

Drum application for
Hydrology™Garments, footwear, gloves,
accessories, upholsteryUsed in wet processing in
drums, this product provides
durable protection from water,
stains and soil, as well as
improved crocking colorfastness.

om DuPont is needed to authorize and grant

Foraperle® 316

Milky dispersion

15 - 18

Anionic

Water; propylene glycol (10%)

5 - 7

1.05

none

~100°C

< 0°C

yes

Drum or finishing

Garments, footwear, gloves,
accessories, upholsteryUsed in the drum or in
finishing processes, this
product provides protection
from water, stains and soil,
as well as imparts easy-clean
properties with minimal change
in hand and color. Can also
be used to improve crocking
colorfastness.**Foraperle® 317**

Milky dispersion

29 - 31

Anionic

Water; propylene glycol (10%)

6 - 7

1.08

none

~100°C

< 0°C

yes

Drum

Garments, footwear, gloves,
accessories, upholsteryUsed in wet processing in
drums, this product provides
durable protection from water,
stains and soil. Can also be
used to improve crocking
colorfastness.**Foraperle® 318**

Milky dispersion

24 - 26

Anionic

Water;
dipropylene glycol (14%)

6 - 8

1.08

>120°C

~100°C

< 0°C

yes

Drum or finishing

Garments, footwear, gloves,
accessoriesUsed in the drum or in
finishing processes, this
product provides protection
from water and stains with
minimal change in hand and
color. Can also be used to
improve crocking colorfastness.**Foraperle® 862**

Milky dispersion

21 - 23

Anionic

Water;
dipropylene glycol (14%)

6-8

1.08

>120°C

~100°C

< 0°C

yes

Drum or finishing

Garments, footwear, gloves,
accessoriesUsed in the drum or in finishing
processes, this product provides
protection from water and
stains with minimal change in
hand and color. Recommended
for use in footwear for
water resistance.

DuPont Regional Offices

DuPont Chemical Solutions Enterprise
North America
Barley Mill Plaza, 23
4417 Lancaster Pike
Wilmington, DE 19805 USA
Telephone 1 866 828 7009
Fax 1 302 992 5336

DuPont México, S.A. de C.V.
Homero 206 Písio 9
Col Chapultepec Mortales
C.P. 11570
Telephone +52 55 5722 1372
Fax +52 55 5722 1369

DuPont do Brasil SA
Al. Itapecuru, 506
Zip code 06454-080
Barueri, SP Brazil
Telephone +55 11 4166 8478
Fax +55 11 4166 8849

DuPont Argentina S.A.
Ing. Butty 240 - 10th Floor
C1001 AFB - Buenos Aires
Argentina
Telephone +54 11 4021 4710
Fax +54 11 4021 4800

DuPont Quimica de Venezuela, C.A
Centro de Apoyo al Cliente
Final 9a. transv. Urb. Ind. Carabobo
Frente Planta DuPont Pinturas
Valencia - Venezuela 2001
Telephone +58 241 874 7270
Fax +58 241 838 2112

DuPont Chile SA
Avenida El Bosque Norte 500
Piso 11 - Oficina 1102 - Las Condes
Santiago Chile
Telephone +562 363 2410
Fax +562 362 1085

DuPont de Nemours Italiana S.r.l. (Italy)
Centro Direzionale "Villa Fiorita"
Via Piero Gobetti, 2/A
20063 Cernusco sul Naviglio (MI)
Telephone +39 02 926291
Fax +39 02 92107755

Du Pont de Nemours (France) S.A.S.
Défense Plaza
23/25, rue Delarivière
La Défense 9
92064 - La Défense Cedex
Telephone +01 41 97 44 00
Fax +01 72 74 36 77

DuPont de Nemours (Deutschland) GmbH
Du Pont-Strasse 1
D-61352 Bad Homburg v.d.H.
Germany
Telephone +49 6172 87 1206
Fax +49 6172 87 1165

DuPont China Holding Co., Ltd.
19th Floor, Shui On Plaza,
333 Huai Hai Road (Central)
Shanghai 200021, China
Telephone +86 21 6386 6366 x 2007
Fax +86 21 6387 7203

DuPont Taiwan Limited
13th Floor, 167 Tun Hwa North Road
Taipei, Taiwan, 105(Hung Kuo Building)
Telephone +886 2 2719 1999
Fax +886 2 2712 9617

E.I. DuPont India Private Limited
701-724 Bonanza, 7th Floor, B Wing
Sahar Plaza Complex, Andheri-Kurla Road
Andheri (East), Mumbai - 400 059, India
Telephone +91 22 2839 0770
Fax +91 22 2839 3960

DuPont Korea Inc.
3~5th Floor, Asia Tower
#726, Yeoksam-dong, Kangnam-ku
Seoul 135-719, Korea
Telephone +82 2 2222 5300
Fax +82 2 2222 5319

DuPont Kabushiki Kaisha (Japan)
Sanno Park Tower
11-1, Nagata-cho 2-chome
Chiyoda-ku, Tokyo 100-6111
Telephone +81 3 5521 8671
Fax +81 3 5521 2650

DuPont Australia
Level 15, 168, Walker St.
North Sydney, NSW 2060, Australia
Telephone +61 2 9923 7307
Fax +61 2 9923 6135

DuPont Technical Centers

DuPont De Nemours (France) S.A.S.
Mantes Technical & Expertise Center
Allée de Chantereine
78711 Mantes-La-Ville
Telephone +33(0)1 30 92 82 20
Fax +33(0)1 30 92 82 82

DuPont North America
DuPont Experimental Station – E357
Route 141 & Henry Clay
P.O. Box 80357
Wilmington, DE 19880-0357 USA
Telephone 1 302 695 8521
Fax 1 302 695 8860



The miracles of science™

DuPont™ Hydrology™

1-866-828-7009

www.hydrology.dupont.com

www.teflon.com

www.dupont.com