

RESOLUTE SOLUTIONS FABRIC GUIDE

SOLUTIONS FABRIC fixtures utilize *XOREL* from Carnegie Fabrics.

XOREL is a woven polyethylene textile.

Technologically advanced and environmentally sustainable, Xorel requires low energy to manufacture and has no chlorine content, plasticizers or heavy metals. Nothing is added to the woven Xorel product to enhance performance. All its properties: durability, clean-ability and colorfastness are inherent to the yarn itself. Most stains can be removed simply with a cloth dipped in hot water. Xorel's anti-bacterial, anti-fungal and anti-staph nature and its ability to prevent bacterial strikethrough make it an ideal shade material for hospitals, hotels and other public applications.

QUICK SHIP FABRIC KEY

These fabrics are kept in stock, typical product production time is about one week.

6423-802	CARNEGIE <i>XOREL</i> STRIE	LUX: 2	INDEX: .05
6427-226	CARNEGIE <i>XOREL</i> METEOR	LUX: 5.32	INDEX: .14
6427-708	CARNEGIE <i>XOREL</i> METEOR	LUX: 5.66	INDEX: .15
6427-720	CARNEGIE <i>XOREL</i> METEOR	LUX: 2.22	INDEX: .06
6427-721	CARNEGIE <i>XOREL</i> METEOR	LUX: 0.9	INDEX: .02
6603-27	CARNEGIE <i>XOREL</i> DASH	LUX: 21.8	INDEX: .57
6603-29	CARNEGIE <i>XOREL</i> DASH	LUX: 21.6	INDEX: .57
6603-30	CARNEGIE <i>XOREL</i> DASH	LUX: 35.8	INDEX: .94
6603-36	CARNEGIE <i>XOREL</i> DASH	LUX: 25.2	INDEX: .42
6615-20	CARNEGIE <i>XOREL</i> FLASH BACK	LUX: 38	INDEX: 1.00
6619-92	CARNEGIE <i>XOREL</i> QUARRY	LUX: 14.11	INDEX: .37
6619-99	CARNEGIE <i>XOREL</i> QUARRY	LUX: 5.25	INDEX: .14

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CUSTOM FABRIC

Custom Xorel fabrics are readily accommodated. There is a set-up charge of \$235 (NET) on custom orders. The set-up charge may be waived on orders with significant quantities and generous lead time.

Fabric required per shade is listed below. These figures are expressed in linear yards (LY) -- that is yards of full width material. Because of how parts are laid out on the fabric and full yard ordering increments, minimum yardage figures are also given on shades with parts longer than 36”.

All yardage requirements must be confirmed with Resolute at the time of order but the figures below are suitable for estimating. On orders with mixed sizes there may be opportunities to conserve material used.

Larger scraps are repurposed by local artisans. Remaining trimmings are recycled.

Fabric requirements by shade:

SMITH 5	.07 LY / shade
SMITH B1	.05 LY / shade
SMITH B2	.09 LY / shade
SMITH B16	.08 LY / shade
SMITH B24	.11 LY / shade
SMITH B36	.17 LY / shade
SMITH 10-9	.2 LY / shade
SMITH 10-14	.3 LY / shade
SMITH 10-23	.54 LY / shade
SMITH 16-9	.27 LY / shade
SMITH 16-14	.4 LY / shade
SMITH 17 LED	.18 LY / shade
SMITH 21-9	.4 LY / shade
SMITH 21-14	.60 LY / shade
SMITH 22 LED	.22 LY / shade
SMITH 28	.53 LY / shade
SMITH 28-5 LED	.29 LY / shade
SMITH 28-9 LED	.53 LY / shade
SMITH 28-14 LED	.8 LY / shade

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Fabric requirements by shade:

PROSPERITY 12	.28 LY / shade	2 LY minimum
PROSPERITY 16	.5 LY / shade	2 LY minimum
PROSPERITY 22	.5 LY / shade	2 LY minimum
PROSPERITY 36	1.1 LY / shade	2 LY minimum
PROSPERITY 20	.55 LY / shade	2 LY minimum
PROSPERITY 30	1.1 LY / shade	2 LY minimum
PROSPERITY D1	.09 LY / shade	
PROSPERITY D2	.12 LY / shade	
PROSPERITY D3	.19 LY / shade	
PUNCHEON 5.5-9	.09 LY / shade	
PUNCHEON 5.5-15	.15 LY / shade	
PUNCHEON 5.5-20	.2 LY / shade	
PUNCHEON 10-9	.26 LY / shade	
PUNCHEON 10-18	.52 LY / shade	
LINTEL 46-6	.39 LY / shade	2 LY minimum
LINTEL 46-8	.51 LY / shade	2 LY minimum
LINTEL 46-10	.64 LY / shade	2 LY minimum
LINTEL 76-7.5	.7 LY / shade	3 LY minimum
LINTEL 76-9	.97 LY / shade	3 LY minimum
LINTEL 76-12	1.21 LY / shade	3 LY minimum

Fabric must be ordered in full yard increments.

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LUMINANCE

We have tested fabric swatches for luminance utilizing a black box with a 26W CFL source shining through a window screened with the fabric swatches. Light transmission is measured by a light meter suspended in a second black chamber. The purpose of these tests is to give a sense of the relative luminance of various fabrics. The actual LUX readings are given as an index. This INDEX establishes the most luminous fabric as “1” and expresses the other results as a percentage of that. Use these figures as relative values to get a feeling for the decorative light component of the fixture’s output.

Through careful design and development of internal reflectors and the diffusion disk on the Prosperity pendants we have been able to get approximately 112% usable downward light output. This means, these fixtures produce more downward light than an exposed lamp in the same shade in spite of being diffused. Prosperity wall fixtures are very sensitive to their covering fabric. Soft frosted end enclosures allow 90% light transmission.

SUITABILITY

In addition to the technical tests, fabrics have also been subjectively evaluated by our design team for illumination. These subjective evaluations are unrelated to the luminance of the fabric. We have separated the fabrics into broad categories: BEST, GOOD and FAIR. If a fabric is not on the list it has been judged as not suitable for use as a shade.

Please note that the CARNEGIE fabric samples you probably already have in your resource library are presented as wall coverings or upholstery. Fabrics look radically different when backlit. This is the reason we have subjectively evaluated the styles.

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BEST ILLUMINATION

6603-9	CARNEGIE XOREL DASH	100% Xorel	Stock fabric	LUX: 20.5	INDEX: .54
6603-16	CARNEGIE XOREL DASH	100% Xorel	Stock fabric	LUX: 16.03	INDEX: .42
6603-18	CARNEGIE XOREL DASH	100% Xorel	Stock fabric	LUX: 25.2	INDEX: .66
6615-20	CARNEGIE XOREL FLASH BACK	100% Xorel	Stock fabric	LUX: 38	INDEX: 1.00
6427-226	CARNEGIE XOREL METEOR	100% IFR Xorel	Stock fabric	LUX: 5.32	INDEX: .14
6427-708	CARNEGIE XOREL METEOR	100% IFR Xorel	Stock fabric	LUX: 5.66	INDEX: .15
6427-720	CARNEGIE XOREL METEOR	100% IFR Xorel	Stock fabric	LUX: 2.22	INDEX: .06
6427-721	CARNEGIE XOREL METEOR	100% IFR Xorel	Stock fabric	LUX: 0.9	INDEX: .02
6619-92	CARNEGIE XOREL QUARRY	100% IFR Xorel	Stock fabric	LUX: 14.11	INDEX: .37
6619-99	CARNEGIE XOREL QUARRY	100% IFR Xorel	Stock fabric	LUX: 5.25	INDEX: .14
6425-405	Nexus	100% Xorel	56" width	LUX: 11.3	INDEX: .30
6425-413	Nexus	100% Xorel	56" width	LUX: 22.7	INDEX: .60
6427-700	Meteor	100% IFR Xorel	56" width	LUX: 2.81	INDEX: .07
6427-701	Meteor	100% IFR Xorel	56" width	LUX: 7.21	INDEX: .19
6427-702	Meteor	100% IFR Xorel	56" width	LUX: 8.57	INDEX: .23
6427-703	Meteor	100% IFR Xorel	56" width	LUX: 8.35	INDEX: .22
6427-704	Meteor	100% IFR Xorel	56" width	LUX: 6.16	INDEX: .16
6427-705	Meteor	100% IFR Xorel	56" width	LUX: 12.26	INDEX: .32
6427-706	Meteor	100% IFR Xorel	56" width	LUX: 10.05	INDEX: .26
6427-707	Meteor	100% IFR Xorel	56" width	LUX: 4.98	INDEX: .13
6427-709	Meteor	100% IFR Xorel	56" width	LUX: 6.2	INDEX: .16
6427-711	Meteor	100% IFR Xorel	56" width	LUX: 11.21	INDEX: .3
6427-712	Meteor	100% IFR Xorel	56" width	LUX: 5.11	INDEX: .13
6427-713	Meteor	100% IFR Xorel	56" width	LUX: 2.11	INDEX: .06
6427-715	Meteor	100% IFR Xorel	56" width	LUX: 9.37	INDEX: .25
6427-717	Meteor	100% IFR Xorel	56" width	LUX: 9.99	INDEX: .26
6427-722	Meteor	100% IFR Xorel	56" width	LUX: 5.6	INDEX: .15
6427-723	Meteor	100% IFR Xorel	56" width	LUX: 6.27	INDEX: .17
6427-725	Meteor	100% IFR Xorel	56" width	LUX: 4.56	INDEX: .12
6427-727	Meteor	100% IFR Xorel	56" width	LUX: 4.76	INDEX: .13
6427-728	Meteor	100% IFR Xorel	56" width	LUX: 6.49	INDEX: .17
6427-735	Meteor	100% IFR Xorel	56" width	LUX: 6.05	INDEX: .16
6427-737	Meteor	100% IFR Xorel	56" width	LUX: 5.42	INDEX: .14
6427-741	Meteor	100% IFR Xorel	56" width	LUX: 7.18	INDEX: .19
6427-753	Meteor	100% IFR Xorel	56" width	LUX: 7.31	INDEX: .19
6427-759	Meteor	100% IFR Xorel	56" width	LUX: 5.45	INDEX: .14

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BEST ILLUMINATION (continued)

6427-761	Meteor	100% IFR Xorel	56" width		LUX: 3.93	INDEX: .1
6427-762	Meteor	100% IFR Xorel	56" width		LUX: 5.3	INDEX: .14
6427-765	Meteor	100% IFR Xorel	56" width		LUX: 7.36	INDEX: .19
6427-766	Meteor	100% IFR Xorel	56" width		LUX: 8.36	INDEX: .22
6427-767	Meteor	100% IFR Xorel	56" width		LUX: 7.37	INDEX: .19
6603-1	Dash	100% Xorel	56" width		LUX: 34.7	INDEX: .91
6603-2	Dash	100% Xorel	56" width		LUX: 25.4	INDEX: .67
6603-3	Dash	100% Xorel	56" width		LUX: 23.8	INDEX: .63
6603-4	Dash	100% Xorel	56" width		LUX: 32.8	INDEX: .86
6603-5	Dash	100% Xorel	56" width		LUX: 27.2	INDEX: .72
6603-6	Dash	100% Xorel	56" width		LUX: 23.8	INDEX: .63
6603-7	Dash	100% Xorel	56" width		LUX: 24	INDEX: .63
6603-8	Dash	100% Xorel	56" width		LUX: 26.1	INDEX: .69
6603-10	Dash	100% Xorel	56" width		LUX: 27.3	INDEX: .72
6603-17	Dash	100% Xorel	56" width		LUX: 21.3	INDEX: .56
6603	Dash #2-8	100% Xorel	56" width		no data	no data
6615-23	Flash Back	100% Xorel	56" width		LUX: 34.5	INDEX: .91
6719-106	Laurel Embroider	100% Xorel	52" width	Repeat	LUX: 18.54	INDEX: .49
6719-109	Laurel Embroider	100% Xorel	52" width	Repeat	LUX: 25.3	INDEX: .67

Note: because of the narrow roll width on embroidered fabrics, yield for No. 22 is .7 and D1 is .125 LY

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GOOD ILLUMINATION

6427-718	Meteor	100% IFR Xorel	56" width		LUX: 1.29	INDEX:.03
6557-71	Flux	100% IFR Xorel	56" width		LUX: 13.9	INDEX: .37
6557-74	Flux	100% IFR Xorel	56" width		LUX: 9.92	INDEX: .26
6557-75	Flux	100% IFR Xorel	56" width		LUX: 7.6	INDEX: .20
6557-76	Flux	100% IFR Xorel	56" width		LUX: 8.02	INDEX: .21
6557-80	Flux	100% IFR Xorel	56" width		LUX: 4.77	INDEX: .13
6557-82	Flux	100% IFR Xorel	56" width		LUX: 8.39	INDEX: .22
6557-83	Flux	100% IFR Xorel	56" width		LUX: 13.42	INDEX: .35
6557-84	Flux	100% IFR Xorel	56" width		LUX: 5.17	INDEX: .14
6557-85	Flux	100% IFR Xorel	56" width		LUX: 5.73	INDEX: .15
6557-86	Flux	100% IFR Xorel	56" width		LUX: 5.17	INDEX: .14
6557-87	Flux	100% IFR Xorel	56" width		LUX: 7.26	INDEX: .19
*** Note: Flux has sparkly pin holes ***						
6619-91	Quarry	100% IFR Xorel	56" width		LUX: 12.18	INDEX: .32
6619-93	Quarry	100% IFR Xorel	56" width		LUX: 9.39	INDEX: .25
6619-94	Quarry	100% IFR Xorel	56" width		LUX: 8.07	INDEX: .21
6619-95	Quarry	100% IFR Xorel	56" width		LUX: 5.34	INDEX: .14
6619-96	Quarry	100% IFR Xorel	56" width		LUX: 6.13	INDEX: .16
6619-97	Quarry	100% IFR Xorel	56" width		LUX: 5.57	INDEX: .15
6619-98	Quarry	100% IFR Xorel	56" width		LUX: 8.16	INDEX: .22
6637	Vine Emboss (#103)	100% Xorel	56" width		no data	no data
*** Recommended but not yet tested ***						
6725-102	Compass Embroider	100% Xorel	51" width	Repeat	LUX: 38.1	INDEX: 1
6725-103	Compass Embroider	100% Xorel	51" width	Repeat	LUX: 11.54	INDEX:.30
6725-106	Compass Embroider	100% Xorel	51" width	Repeat	LUX: 18.8	INDEX:.50
6727-100	Genome Embroider	100% Xorel	52" width	Repeat	LUX: 14.26	INDEX:.38
6727-103	Genome Embroider	100% Xorel	52" width	Repeat	LUX: 12.03	INDEX:.32
6727-106	Genome Embroider	100% Xorel	52" width	Repeat	LUX: 19.4	INDEX:.51
6727-111	Genome Embroider	100% Xorel	52" width	Repeat	LUX: 14.36	INDEX:.38

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6787-100 Artisan Embroider 100% Xorel 49" width Repeat LUX: 12.39 INDEX:.33

Note: because of the narrow roll width on embroidered fabrics, yield for No. 22 is .7 and D1 is .125 LY
Artisan changes most Prosperity yields and must be confirmed.

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FAIR ILLUMINATION

6423-100	Strie	100% Xorel	56" width	LUX: 16.1	INDEX: .42
6423-116	Strie	100% Xorel	56" width	LUX: 17.2	INDEX: .45
6423-120	Strie	100% Xorel	56" width	LUX: 24.8	INDEX: .65
6423-121	Strie	100% Xorel	56" width	LUX: 25.8	INDEX: .68
6423-122	Strie	100% Xorel	56" width	LUX: 30	INDEX: .79
6423-125	Strie	100% Xorel	56" width	LUX: 3.07	INDEX: .01
6423-128	Strie	100% Xorel	56" width	LUX: 22.2	INDEX: .58
6423-129	Strie	100% Xorel	56" width	LUX: 20.9	INDEX: .55
6423-136	Strie	100% Xorel	56" width	LUX: 15.18	INDEX: .40
6423-137	Strie	100% Xorel	56" width	LUX: 21.0	INDEX: .55
6423-138	Strie	100% Xorel	56" width	LUX: 26.0	INDEX: .68
6423-141	Strie	100% Xorel	56" width	LUX: 20.2	INDEX: .53
6423-142	Strie	100% Xorel	56" width	LUX: 9.3	INDEX: .25
6427-714	Meteor	100% IFR Xorel	56" width	LUX: 1.18	INDEX: .03
6427-716	Meteor	100% IFR Xorel	56" width	LUX: .73	INDEX: .02
6427-719	Meteor	100% IFR Xorel	56" width	LUX: .82	INDEX: .02
6427-724	Meteor	100% IFR Xorel	56" width	LUX: 1.03	INDEX: .03
6427-726	Meteor	100% IFR Xorel	56" width	LUX: .99	INDEX: .03
6427-729	Meteor	100% IFR Xorel	56" width	LUX: 1.26	INDEX: .03
6427-730	Meteor	100% IFR Xorel	56" width	LUX: 1.17	INDEX: .03
6427-736	Meteor	100% IFR Xorel	56" width	LUX: .77	INDEX: .02
6427-742	Meteor	100% IFR Xorel	56" width	LUX: 6.0	INDEX: .16
6427-747	Meteor	100% IFR Xorel	56" width	LUX: 5.48	INDEX: .14
6427-748	Meteor	100% IFR Xorel	56" width	LUX: 2.14	INDEX: .06
6427-754	Meteor	100% IFR Xorel	56" width	LUX: 1.74	INDEX: .05
6427-755	Meteor	100% IFR Xorel	56" width	LUX: 1.93	INDEX: .05
6427-756	Meteor	100% IFR Xorel	56" width	LUX: 2.19	INDEX: .06
6427-757	Meteor	100% IFR Xorel	56" width	LUX: 1.75	INDEX: .05
6427-760	Meteor	100% IFR Xorel	56" width	LUX: 3.42	INDEX: .09
6427-768	Meteor	100% IFR Xorel	56" width	LUX: 4.48	INDEX: .12
6603	Dash (all not listed above) *** OK but not yet tested ***	100% Xorel	56" width	no data	no data
6615	Flash Back (all not listed above) *** OK but not yet tested ***	100% Xorel	56" width	no data	no data
6635-100	Damask Emboss	100% Xorel	56" width	no data	no data

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6635-103	Damask Emboss	100% Xorel	56" width		no data	no data
6641-103	Reptile Emboss	100% Xorel	56" width		LUX: 13.97	INDEX:.37
6719-102	Laurel Embroider	100% Xorel	52" width	Repeat	LUX: 38.1	INDEX: 1.00
6719-128	Laurel Embroider	100% Xorel	52" width	Repeat	LUX: 18.1	INDEX: .48

*** Note: these Laurel Embroider colorways wash-out ***

6719 Laurel Embroider, others not listed above are likely "OK" but have not been sampled

6725-126	Compass Embroider	100% Xorel	51" width	Repeat	LUX: 5.93	INDEX:.16
6721-107	Silhouette Embroider	100% Xorel	49" width	Repeat	no data	no data

Note: because of the narrow roll width on embroidered fabrics, yield for No. 22 is .7 and D1 is .125 LY
Silhouette changes most Prosperity yields and must be confirmed.

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NOT SUITABLE

6425	Nexus (#406-424)
6427	Meteor (#710, 731-734, 738-740, 744-46, 749-752, 758, 763, 764, 769, 770)
6547	Mesh (all)
6569	Laser (all, too shear)
6617	Tweed (all)
6621	Prism (all)
6623	Link (all)
6625	Strata (all)
6627	Reef (all)
6629	Rattan (all)
6635	Damask Emboss (all but #100 and #103)
6637	Vine Emboss (all but #103)
6639	Blossom Emboss *** Never sampled - do not know ***
6641	Reptile Emboss (all but #103)
6643	Snake Emboss (all)
6717	Slide (all) *** Never sampled - do not know ***
6721	Silhouette Embroider (all but #107)
6723	Lily Embroider (all)
6729	Sway Embroider (all)
6731	Axis Embroider (all)
6733	Lace Embroider (all)
6785	Hoop Embroider (all)
6787	Artisan Embroider (all but #100)