



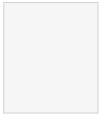
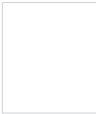
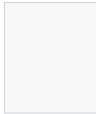
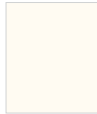
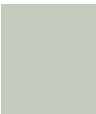
Duets
BY GEMINI

TM

DuetsTactiles™
ADA Color &
Contrast Guide

MADE BY
 **GEMINI**

DuetsTactiles™ P/N & COLOR GUIDE

										
	Clear/Matte	Bright White	Frost	White	Warm White	Yellow	Gold	Orange	Medieval Copper	Pipestone
1/32-A*	—	L-010-303-A	L-010-583-A	L-010-113-A	L-010-563-A	L-010-143-A	L-010-123-A	L-010-623-A	L-010-423-A	L-010-533-A
1/32	L-010-033	L-010-303	L-010-583	L-010-113	L-010-563	L-010-143	L-010-123	L-010-623	L-010-423	L-010-533
1/16	L-010-036	L-010-306	L-010-586	L-010-116	L-010-566	L-010-146	L-010-126	L-010-626	L-010-426	L-010-536
1/8	L-010-038	L-010-308	L-010-588	L-010-118	L-010-568	L-010-148	L-010-128	L-010-628	L-010-428	L-010-538
CMYK	0-0-0-0	0-0-0-0	3-0-0-1	0-0-0-2	0-1-4-0	0-11-100-0	0-29-73-25	0-60-100-0	0-58-83-40	0-87-80-42
RGB	255-255-255	255-255-255	240-247-251	248-248-248	255-251-242	255-219-0	198-149-73	245-130-32	162-88-38	155-42-34
PMS	Trans. White	Trans. White	7541	Cool Gray 1	Warm Gray 1	108	4645	166	1615	484
										
	Red	Burgundy	Merlot	Pink	Light Blue	Periwinkle	Slate Blue	Blue	Cobalt Blue	Majestic Blue
1/32-A*	L-010-133-A	L-010-543-A	L-010-523-A	L-010-513-A	L-010-373-A	L-010-363-A	L-010-493-A	L-010-153-A	L-010-573-A	L-010-403-A
1/32	L-010-133	L-010-543	L-010-523	L-010-513	L-010-373	L-010-363	L-010-493	L-010-153	L-010-573	L-010-403
1/16	L-010-136	L-010-546	L-010-526	L-010-516	L-010-376	L-010-366	L-010-496	L-010-156	L-010-576	L-010-406
1/8	L-010-138	L-010-548	L-010-528	L-010-518	L-010-378	L-010-368	L-010-498	L-010-158	L-010-578	L-010-408
CMYK	0-100-90-23	0-92-52-75	0-63-21-50	0-81-22-11	97-40-0-0	49-15-0-6	19-4-0-66	100-50-0-39	100-70-0-56	79-63-0-70
RGB	190-19-35	94-0-23	143-73-89	216-79-121	0-125-197	116-172-214	93-106-117	0-76-130	0-42-95	21-35-78
PMS	1797	216	7637	213	298	284	5415	300	662	7694
										
	Denim Blue	Spruce	Lagoon	Intense Teal	Mint	Spring Green	Evergreen	Bisque	Almond	Bone
1/32-A*	L-010-353-A	L-010-433-A	L-010-463-A	L-010-453-A	L-010-443-A	L-010-173-A	L-010-183-A	L-010-323-A	L-010-203-A	L-010-313-A
1/32	L-010-353	L-010-433	L-010-463	L-010-453	L-010-443	L-010-173	L-010-183	L-010-323	L-010-203	L-010-313
1/16	L-010-356	L-010-436	L-010-466	L-010-456	L-010-446	L-010-176	L-010-186	L-010-326	L-010-206	L-010-316
1/8	L-010-358	L-010-438	L-010-468	L-010-458	L-010-448	L-010-178	L-010-188	L-010-328	L-010-208	L-010-318
CMYK	69-32-0-78	36-0-28-68	68-0-25-45	83-0-33-47	46-0-49-12	94-0-94-3	100-0-72-53	0-8-20-4	0-2-16-7	0-4-24-5
RGB	12-50-79	69-97-89	20-122-127	0-113-116	125-183-142	0-164-84	0-98-70	243-224-196	239-231-206	244-229-192
PMS	7463	5487	7474	7475	346	7724	342	Warm Gray 1	Warm Gray 1	Warm Gray 1
										
	Khaki	French Vanilla	Desert Sand	Putty	Latte	Taupe	Aged Bronze	Chestnut	Chocolate Brown	Light Grey
1/32-A*	L-010-263-A	L-010-343-A	L-010-383-A	L-010-603-A	L-010-333-A	L-010-393-A	L-010-593-A	L-010-613-A	L-010-163-A	L-010-473-A
1/32	L-010-263	L-010-343	L-010-383	L-010-603	L-010-333	L-010-393	L-010-593	L-010-613	L-010-163	L-010-473
1/16	L-010-266	L-010-346	L-010-386	L-010-606	L-010-336	L-010-396	L-010-596	L-010-616	L-010-166	L-010-476
1/8	L-010-268	L-010-348	L-010-388	L-010-608	L-010-338	L-010-398	L-010-598	L-010-618	L-010-168	L-010-478
CMYK	0-6-23-23	0-11-35-1	0-13-43-16	26-23-33-0	0-15-35-38	0-17-29-57	0-46-85-66	0-48-55-67	0-41-35-93	1-0-9-11
RGB	205-192-164	251-222-172	218-190-137	191-184-168	173-150-119	134-115-98	114-69-13	112-67-47	50-26-21	225-226-212
PMS	7734	7401	453	452	8021	Warm Gray 7	161	7518	439	Cool Gray 2
										
	Silver	Oyster Shell	River Clay	Frosted Plum	Charcoal Grey	Graphite	Black			
1/32-A*	L-010-193-A	L-010-483-A	L-010-503-A	L-010-413-A	L-010-293-A	L-010-553-A	L-010-103-A			
1/32	L-010-193	L-010-483	L-010-503	L-010-413	L-010-293	L-010-553	L-010-103			
1/16	L-010-196	L-010-486	L-010-506	L-010-416	L-010-296	L-010-556	L-010-106			
1/8	L-010-198	L-010-488	L-010-508	L-010-418	L-010-298	L-010-558	L-010-108			
CMYK	2-0-2-40	8-0-13-20	0-3-16-58	0-10-7-74	0-7-19-83	0-3-7-84	29-14-0-100			
RGB	163-167-167	194-203-190	134-129-117	100-91-91	82-75-67	78-75-73	0-0-0			
PMS	Cool Gray 7	Warm Gray 3	Cool Gray 9	432	411	Black 7	Black			

NOTE: Colors portrayed and/or color formulas expressed herein are for reference only. Duets materials are tightly controlled for color consistency during manufacturing, but the colors in printed, electronic or online representations may vary from actual material colors. We recommend requesting a free color chip or referring to the Duets color swatch chip binder to validate material colors.

DuetsTactiles™ ADA & APPLIQUÉ CONTRAST GUIDE

		Background Substrate														
		Black	Graphite	Denim Blue	Chocolate Brown	Majestic Blue	Cobalt Blue	Charcoal Grey	Chestnut	Burgundy	Merlot	Evergreen	Frosted Plum	Blue	Medieval Copper	Aged Bronze
Background Substrate	Clear/Matte *															
	Bright White															
	Frost															
	White															
	Warm White															
	Bisque															
	Almond															
	French Vanilla															
	Bone															
	Light Grey															
	Yellow															
	Oyster Shell															
	Silver															
	Khaki															
	Desert Sand															
	Latte															
	Putty															
	Gold															
	Light Blue															
	Periwinkle															
	River Clay															
	Mint															
	Orange															
	Taupe															
	Spruce															
	Spring Green															
	Slate Blue															
	Pink															
	Lagoon															
	Intense Teal															
	Pipestone															
	Red															
	Aged Bronze															
	Medieval Copper															
	Blue															
	Frosted Plum															
	Evergreen															
	Merlot															
	Burgundy															
	Chestnut															
	Charcoal Grey															
	Cobalt Blue															
	Majestic Blue															
	Chocolate Brown															
	Denim Blue															
	Graphite															
	Black															

*Color contrast of Clear/Matte background substrate dependent on mounting surface; not available for appliqué.

APPLIQUÉ SUBSTRATE																					
Pipestone	Intense Teal	Lagoon	Pink	Slate Blue	Spring Green	Spruce	Taupe	Orange	Mint	River Clay	Periwinkle	Light Blue	Gold	Putty	Latte	Desert Sand	Khaki	Silver			
																					
																					
																					
																					
																					
																					
																					
																					
																					
																					
																					
																					
																					
																					
																					
																					
																					
																					
																					
																					

Oyster Shell	Yellow	Light Grey	Bone	French Vanilla	Almond	Bisque	Warm White	White	Frost	Bright White

Substrates for superior ADA signage.

A better sign starts with better materials.

ADA wayfinding signage is a vital component to any architectural sign-making business. Your customers rely on you not only produce appealing signage that enhances the interior space of a building, but also complies with the Americans with Disabilities Act Accessibility Guidelines (ADAAG).

DuetsTactiles™ by Gemini offers a wide selection of high-performance substrates designed specifically for ADA wayfinding appliqué signage.

Color contrast made simple.

The ADAAG provides guidance on surfaces that need to contrast visually with their surroundings to assist the disabled, including those who are visually impaired. Requirements for ADA wayfinding state that signs must be non-glare and characters must contrast with their background.

The chart on the inside of this guide compares all of the possible color combinations that can be achieved with DuetsTactiles substrates and appliqué. Choose the color schemes that are compatible with building décor, and the color combination that provides a significant degree of contrast between characters and background, giving consideration to lighting and environmental factors.



ADA signage compliance tips.

Signs that require Braille and tactile lettering.

Signs designating permanent rooms and spaces that are not likely to change over time must comply with these standards. Braille and tactile lettering are required so they can be located and accessed by people who are functionally blind. Examples include restrooms, room names and numbers, and floor numbers.

- Minimum 1/32" raised tactile characters
- Must use all uppercase, sans serif text
- Uppercase letter "I" must measure between 5/8" - 2"
- Must meet font requirements (see below)
- Must contain Contracted Braille (formerly Grade 2 Braille) with domed or rounded shape Braille dots positioned under the corresponding text
- Braille must be separated by at least 3/8" from any tactile character and at least 3/8" from raised border or decorative graphic
- If pictograms are used, they must be in a field measuring 6" high and accompanied by tactile and Braille lettering below the field
- Text cannot be incorporated into pictograms
- Characters and backgrounds must have a non-glare finish
- Characters must contrast with their background (either light color characters on a dark color background, or dark color characters on a light color background)



Font requirements. The ADAAG indicates specific requirements for the stroke width and body width of the font you use on signs using tactile lettering. The stroke width of the uppercase letter "I" cannot be less than 15% of the height of the character. And the body width of the uppercase letter "O" is to be between 55% and 110% of the height of the uppercase letter "I".

Mounting requirements. The ADAAG indicates specific requirements for the mounting height of signs that require tactile lettering. The minimum height a sign is to be mounted, measured from the floor to the baseline of the lowest tactile character, is 48". The maximum height a sign is to be mounted, measured from the floor to the baseline of the highest tactile character, is 60".

Clear space requirements. Signs with tactile lettering are to be located in a position with a minimum 18" x 18" clear floor space (measured from the center of the tactile lettering on the sign). This clear floor space is to be beyond the arc of any door swing.

Signs that have dimensional requirements.

Directional and informational signs used in functional spaces and overhead signs do not require Braille and tactile lettering, but must have proper character proportion and height, finish and contrast.

- May use upper and lowercase, or a combination of both
- Font may be serif, simple serif or sanserif, but must not be italic, oblique, script or highly decorative
- Do not condense or extend typefaces
- The size of the lettering is dependent on the distance the sign reader is expected to be from the sign
- Must meet font requirements (previous)
- Characters and backgrounds must have a non-glare finish
- Characters must contrast with their background (either light color characters on a dark color background, or dark color characters on a light color background)

Signs with no requirements.

Signs used for building directories, menus, seat and row designations in assembly areas, building names and address, and company names or logos are not required to comply with the guidelines.

Duets
BY GEMINI



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Shared values. **Shared value.**



Doing things the right way.

At Gemini, we're proud of our partnership with B.F. Plastics and honored they represent **Duets™ premium engraving, ADA and architectural sign substrates.** We're also proud of our shared heritage of family company ownership that puts customers first with service, response, quality, honesty and fairness – qualities that are sometimes lost in the corporate world. Those common values are the foundation of a strong partnership. The foundation of a family. And from both of us, our enduring promise to you.

Now available, in-stock and direct from B.F. Plastics: DuetsTactiles™ for ADA and applique, Duets Laser, Duets Laser XT, Duets Laser XT Reverse, Duets Rotary Indoor and DuetsContours™ flexible engraving substrate

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BY GEMINI | **PARTNER**

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