



Duets
BY GEMINI

™

DuetsTactiles™
ADA Color &
Contrast Guide

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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.

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.



DuetsTactiles™ P/N & COLOR GUIDE

									
Clear/Matte	Bright White	Frost	White	Warm White	Yellow	Metallic Gold*	Gold	Orange	Medieval Copper
1/32-A* 1/32 1/16 1/8	— L-010-033 L-010-036 L-010-038	L-010-303-A L-010-303 L-010-306 L-010-308	L-010-583-A L-010-583 L-010-586 L-010-588	L-010-113-A L-010-113 L-010-116 L-010-118	L-010-563-A L-010-563 L-010-566 L-010-568	L-010-143-A L-010-143 L-010-146 L-010-148	L-010-673-A L-010-673 L-010-676 L-010-678	L-010-123-A L-010-123 L-010-126 L-010-128	L-010-623-A L-010-623 L-010-626 L-010-628
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	N/A	0-29-73-25	0-60-100-0
RGB	255-255-255	255-255-255	240-247-251	248-248-248	255-251-242	255-219-0	N/A	198-149-73	245-130-32
PMS	Trans. White	Trans. White	7541	Cool Gray 1	Warm Gray 1	108	N/A	4645	166
									
Pipestone	Red	Burgundy	Merlot	Pink	Light Blue	Periwinkle	Slate Blue	Blue	Cobalt Blue
1/32-A* 1/32 1/16 1/8	L-010-533-A L-010-533 L-010-536 L-010-538	L-010-133-A L-010-133 L-010-136 L-010-138	L-010-543-A L-010-543 L-010-546 L-010-548	L-010-523-A L-010-523 L-010-526 L-010-528	L-010-513-A L-010-513 L-010-516 L-010-518	L-010-373-A L-010-373 L-010-376 L-010-378	L-010-363-A L-010-363 L-010-366 L-010-368	L-010-493-A L-010-493 L-010-496 L-010-498	L-010-153-A L-010-153 L-010-156 L-010-158
CMYK	0-87-80-42	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
RGB	155-42-34	190-19-35	94-0-23	143-73-89	216-79-121	0-125-197	116-172-214	93-106-117	0-76-130
PMS	484	1797	216	7637	213	298	284	5415	300
									
Majestic Blue	Denim Blue	Spruce	Lagoon	Intense Teal	Mint	Spring Green	Evergreen	Bisque	Almond
1/32-A* 1/32 1/16 1/8	L-010-403-A L-010-403 L-010-406 L-010-408	L-010-353-A L-010-353 L-010-356 L-010-358	L-010-433-A L-010-433 L-010-436 L-010-438	L-010-463-A L-010-463 L-010-466 L-010-468	L-010-453-A L-010-453 L-010-456 L-010-458	L-010-443-A L-010-443 L-010-446 L-010-448	L-010-173-A L-010-173 L-010-176 L-010-178	L-010-183-A L-010-183 L-010-186 L-010-188	L-010-323-A L-010-323 L-010-326 L-010-328
CMYK	79-63-0-70	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
RGB	21-35-78	12-50-79	69-97-89	20-122-127	0-113-116	125-183-142	0-164-84	0-98-70	243-224-196
PMS	7694	7463	5487	7474	7475	346	7724	342	Warm Gray 1
									
Bone	Khaki	French Vanilla	Desert Sand	Putty	Latte	Taupe	Aged Bronze	Chestnut	Chocolate Brown
1/32-A* 1/32 1/16 1/8	L-010-313-A L-010-313 L-010-316 L-010-318	L-010-263-A L-010-263 L-010-266 L-010-268	L-010-343-A L-010-343 L-010-346 L-010-348	L-010-383-A L-010-383 L-010-386 L-010-388	L-010-603-A L-010-603 L-010-606 L-010-608	L-010-333-A L-010-333 L-010-336 L-010-338	L-010-393-A L-010-393 L-010-396 L-010-398	L-010-593-A L-010-593 L-010-596 L-010-598	L-010-613-A L-010-613 L-010-616 L-010-618
CMYK	0-4-24-5	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
RGB	244-229-192	205-192-164	251-222-172	218-190-137	191-184-168	173-150-119	134-115-98	114-69-13	112-67-47
PMS	Warm Gray 1	7734	7401	453	452	8021	Warm Gray 7	161	7518
									
Light Grey	Grey	Silver	Oyster Shell	River Clay	Frosted Plum	Charcoal Grey	Graphite	Black	Glow
1/32-A* 1/32 1/16 1/8	L-010-473-A L-010-473 L-010-476 L-010-478	L-010-653-A L-010-653 L-010-656 L-010-658	L-010-193-A L-010-193 L-010-196 L-010-198	L-010-483-A L-010-483 L-010-486 L-010-488	L-010-503-A L-010-503 L-010-506 L-010-508	L-010-413-A L-010-413 L-010-416 L-010-418	L-010-293-A L-010-293 L-010-296 L-010-298	L-010-553-A L-010-553 L-010-556 L-010-558	L-010-103-A L-010-103 L-010-106 L-010-108
CMYK	1-0-9-11	0-0-0-40	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	225-226-212	167-169-172	163-167-167	194-203-190	134-129-117	100-91-91	82-75-67	78-75-73	0-0-0
PMS	Cool Gray 2	Cool Gray 6	Cool Gray 7	Warm Gray 3	Cool Gray 9	432	411	Black 7	Black

*A – Indicates item with adhesive backing
** – Color contains metal flake

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

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

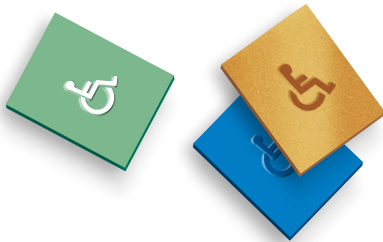
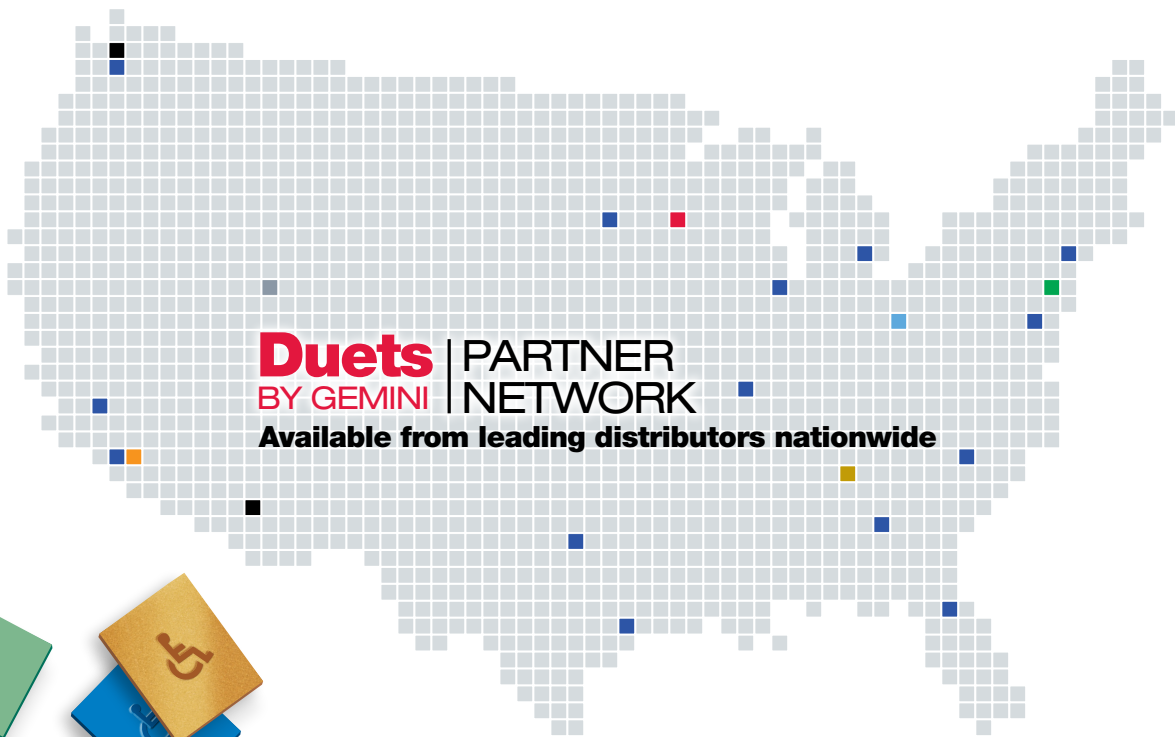
BACKGROUND SUBSTRATE

Available in-stock, nationwide.

Gemini is committed to providing you with the best engraving materials. The best value. And the best service. That's why we've partnered with the best providers across the country to stock and distribute Duets right near you. Contact your engraving materials partner for the fastest availability of the comprehensive and growing selection of Duets substrates, with the familiar personal and local service you're accustomed to receiving.

We've got you covered.

If you have technical questions about Duets substrates, need swatch chips, samples or require assistance, our entire team at Gemini and our partners are ready to assist you. Go to DuetsByGemini.com or call 800.548.3356



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Find a Duets partner near you at:
DuetsByGemini.com/partners



For more information call 800.548.3356

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