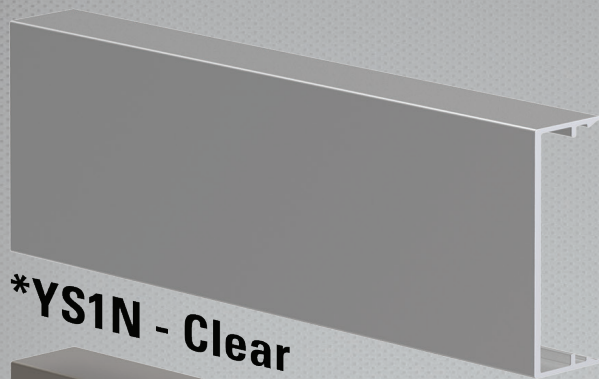


Anodized Plus®

YKK AP Standard Anodized Finishes



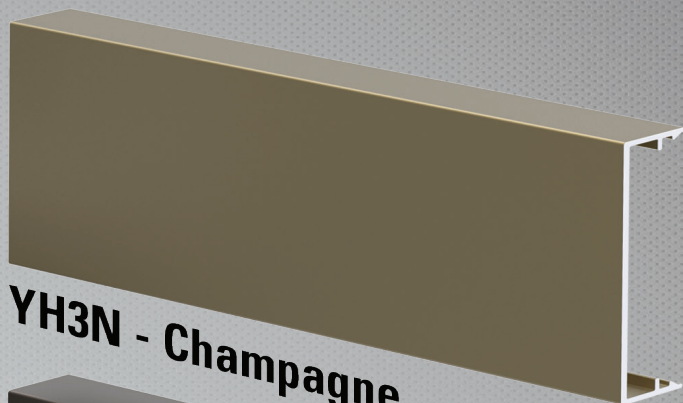
***YS1N - Clear**



YB1N - Medium Bronze



***YW3N - White**



YH3N - Champagne



***YB5N - Dark Bronze**



***YK1N - Black**

*** Normally in stock for quick delivery. Consult your local YKK AP Branch or Center for availability.**

The samples shown are reproduced as closely as possible to the actual colors on the system and is only used as a guide. For actual anodized aluminum samples, contact your local YKK AP sales rep at 1-800-955-9551 or at www.ykkap.com.



Entrances | Storefront | Curtain Wall | Window Wall | Balcony Doors | Windows | Sun Control

COMPARISON OF ANODIZED FINISH STANDARDS

TEST		PERFORMANCE			ADVANTAGE	COMMENTS
		AAMA 612	AAMA 611			
			CLASS I	CLASS II		
FINISH	Coating Thickness	0.7 mils (18 microns)	0.7 mils (18 microns)	0.4 mils (18 microns)	None	The overall thickness of the coating helps to protect the integrity of the finish and the aluminum itself.
	Color Uniformity	Samples shall not differ more than 5 Delta E	Within Established Color Range		None	Request manufacturer's color/range samples to view anticipated variances in color.
STRENGTH	Hardness	Minimum allowable hardness is Grade 3H	Test: Michael Clark Abrasion Performance - Finish is Merely Burnished		AAMA 611 (See Comments)	AAMA 612 finishes have a minimum hardness of 3H which is much harder than painted finishes used in commercial construction.
	Muriatic Acid Resistance	No blistering & no visual change in appearance	Samples are not tested for Muratic Acid Resistances		AAMA 612	Muratic Acid is a highly corrosive chemical used to clean masonry and may damage anodized finishes with conventional seals.
	Mortar Resistance	No loss of film adhesion & no visual change in appearance	Samples are not tested for Mortar Resistances		AAMA 612	Mortar, a highly corrosive alkaline, is a very common substance on construction sites and will quickly damage finishes with seals.
	Nitric Acid Resistance	Maximum change in color of 5 Delta E	Samples are not tested for Nitric Acid Resistances		AAMA 612	The Nitric Acid test is designed to determine the ability to resist damage from acid rain.
	Detergent Resistance	No loss of adhesion, no blistering & no visual change in appearance	Samples are not tested for Detergent Resistances		AAMA 612	Detergent is often used to clean buildings and may damage anodized finishes with conventional seals.
	Window Cleaner Resistance	No blistering & no visual change in appearance	Samples are not tested for Window Cleaner Resistances		AAMA 612	Window Cleaner may damage anodized finishes with conventional seals.
DURABILITY	Humidity Resistance	Only a few small blisters as defined by ASTM D 714	Samples are not tested for Humidity Resistances		AAMA 612	The high humidity in coastal environments is very corrosive to anodized finishes and conventional seals.
	Salt Spray Resistance	Min. Rating of 7 for scribed area & 8 for blisters ASTM D 1654 for 4,000 hours	Samples simply exposed for 3,000 hours	Samples simply exposed for 1,000 hours	AAMA 612	The salt in coastal environments is very corrosive to anodized finishes and conventional seals.
	Gloss Retention	Retention shall be a minimum of 50% after 5 years in South Florida	Samples not tested for Gloss Retention	Samples not tested for Gloss Retention	AAMA 612	Testing has revealed that anodized finishes with conventional seals may lose up to 50% of their gloss within 1 year.
	Erosion	Less than 10% film thickness lost after 5 years in South Florida	Samples not tested for Erosion	Samples not tested for Erosion	AAMA 612	Loss of film thickness will dramatically affect the durability and appearance of the finish.

AAMA 612: Voluntary Specifications, Performance Requirements and Test Procedures for Combined Coatings and Anodic Oxide and Transparent Organic Coatings on Architectural Aluminum is the newest standard for anodized finishes issued by the AAMA (American Architectural Manufacturers Association). The new standard is designed to evaluate the durability of the anodized finish by adding requirements for gloss retention, erosion and increases by 33% - 400% the number of hours that the samples are tested for resistance to damage from salt spray. To ensure that the finish maintains its beauty, AAMA 612 requires that the anodized finish be able to resist damage from mortar, acid rain, pollution, detergent and window cleaner. Tests have proven that to pass the additional tests required by AAMA 612, all of the pores of the anodic finish must be completely sealed. YKK AP Anodized Plus® meets or exceeds all of the requirements for AAMA 612.