REYNODUAL®

Reynodual© Bonded Sheet

Technical Data Sheet

Technical Engineering Properties

With our Reynodual© 3mm Bonded Sheet, we've created a new class of pre-painted material that brings your buildings the beauty of coil-coated sheets composed of two 1.5mm (0.059") sheets bonded together.

Property	Units	Reynodual© 3mm Bonded Sheet
Thickness	in **mm**	0.12 **3.0**
Thickness Tolerance	in	0.118 +/- .004
Available Width	in **mm**	<62 **1575**
Width Tolerance	in **mm**	-0.031, +0.062 **-0.79, +1.59**
Max. Length	in **mm**	<243 **6172**
Length Tolerance	in	-0, +0.25
Weight	lb/ft^2 **kg/m^2**	1.62 **7.90**
Alloys (Ai) And Temper	N/A	3003/3005 H44
Min. Bond Strength Astm D1781	in-lb/in **N/mm**	>22.5 **100**
Allowable Bending Stress	lb/in^2 **MPa**	11,500 **79.3**
Coeff. Of Expansion	in/in/°F **mm/mm/°C**	$1.1x10^{-5}$ **0.024**
Stiffness (Ei) Astm C393	$lbf/in^2/in$ **MPa-cm2/m**	1419.9 **409.4**
Flexural Modulus Astm C393 (E)	lbf/in^2 **MPa**	$1.04x10^7$ **$7.17x10^4$**
Moment Of Inertia (I)	in^4/in **cm^4/m**	$1.36x10^{-4}$ **$5.71x10^{-3}$**

Continued on following page.

Tel. 800 841 7774 • www.reynobond.com • EC 99603-005

50 Industrial Boulevard, Eastman, GA 31023-4129

Build Bolder.

Property		Units	AS3000B 3mm Bonded Sheet
Section Modulus		in^3/in **cm^3/cm**	$2.33x10^{-3}$ **0.0381**
Tensile Yield		lb/in^2 **MPa**	20,300 **140**
Impact Resistance ASTM D5420		Inches for 8 lb force	0.019
		Inches for 16 lb force	0.033
		Inches for 24 lb force	0.049
ICC Acceptance Citeria AC25		Pass/Fail	Pass
Ignition Temperature ASTM D1929	**Self Ignition**	°F **°C**	914 **490**
	Flash Ignition	°F **°C**	914 **490**
Heat of Combustion NFPA 259		btu/lb **kj/kg**	0 **0**
ACOUSTICAL ASTM E90		STC **OTIC**	30 **29**
Fire Performance	**ASTM E84**	Index	**Class A Material** Flame Spread Index (FSI) = 0 Smoke Development Index (SDI) = 0
	NFPA 285*	Pass/Fail	Pass
	CAN/UL 102	Index	**Flame Spread Rating = 0** Smoke Development Classification = 5
	CAN/UL 134*	Pass/Fail	Pass

* The NFPA 285 and CAN/UL 134 tests are performed on a complete wall assembly and not on individual component materials. Any changes or modifications to the set-up, construction and/or materials used in the tested assembly may result in a different fire performance and an assembly test and/or appropriate engineering analysis should always be conducted on the actual assembly intended for use.

Discalimer

Laws and building and safety codes governing the design and use of Hoover Architectural Solutions, LLC's products, and specifically aluminum composite materials, vary widely. It is the responsibility of the owner, the architect, the general contractor, the installer and the fabricator/transformer, consistent with their roles, to determine the appropriate materials for a project in strict conformity to all applicable national, regional and local building codes and regulations. REYNOBOND® FR AND REYNODUAL® HAVE SUCCESSFULLY PASSED US NFPA 285, E84 AND CANADA S134, S102 TESTS AS A PART OF AN ASSEMBLY. ENSURE THE PRODUCT IS USED IN A SYSTEM THAT COMPLIES WITH ALL APPLICABLE REGULATIONS. REYNOBOND® PE IS COMBUSTIBLE; IT COULD CATCH FIRE AND BURN. ANY LABORATORY TESTING INFORMATION PROVIDED BY HOOVER ARCHITECTURAL SOLUTIONS, LLC APPLIES ONLY TO THE PARTICULAR PRODUCT OR ASSEMBLY TESTED AND DOES NOT NECESSARILY REPRESENT HOW PRODUCTS WILL ACTUALLY PERFORM IN USE. REPORTS AND TEST DATA CORRESPONDING TO A PARTICULAR TESTED PRODUCT SAMPLE OR ASSEMBLY ARE NOT A GUARANTEE THAT THE SAME PRODUCT OR ASSEMBLY WOULD ALWAYS ACHIEVE THE SAME TEST RESULT.

Slight variations in color, gloss and texture can occur between different paint production batches. Paint variations within a specific color, especially for mica and metallic colors, can and do occur that are visible to the human eye, but are within industry tolerances.

Tel. 800 841 7774 • www.reynobond.com • EC 99603-005

50 Industrial Boulevard, Eastman, GA 31023-4129

Build Bolder.