

AL KAYAN



عن الشركة

الكيان لمواد العزل واللاصق المتميزة

شركة متخصصة في تقديم حلول متطورة وعالية الجودة في مجال مواد العزل واللاصق، تخدم قطاعات المقاولات، الصناعة، والتشطيبات الحديثة.



جودة مضمونة

منتجات عالية الجودة مطابقة لأعلى المعايير.



دعم فني متخصص

فريق من الخبراء جاهز لمساعدتك دائماً.



توريد للمشروعات الكبرى

خبرة في تلبية احتياجات المشروعات المختلفة.



ابتكار وتطوير مستمر

نسعى دائماً لتقديم حلول أفضل.



سيليكون عام متعدد الاستخدامات
قوة في الالتصاق .. مرونة تدوم

المميزات الرئيسية



مقاوم للبكتيريا والفطريات
تركيبية متطورة توفر حماية فعالة ضد البكتيريا والفطريات.



تحمل حراري عالي
كفاءة تشغيلية في درجات حرارة من 20°C - إلى +220°C.



سرعة جفاف فائقة
طبقة سطحية خلال 2 - 5 دقائق، وجفاف للمس خلال 15 - 20 دقيقة.



مرونة واستطالة عالية
استطالة تصل إلى 700% لاستيعاب الحركة ومنع التشقق.



التصاق قوي ومتعدد
التصاق ممتاز على الزجاج، السيراميك، الألومنيوم، والبلاستيك وغيرها.

الاستخدامات



النوافذ والأبواب والإطارات



المطابخ والحمامات



الواجهات الزجاجية والألومنيوم



السيراميك والبورسلين



التهوية والمداخن وأنظمة التكييف



الاستخدامات المنزلية والصناعية العامة

لماذا MMA GP PREMIUM ؟



غير قابل للدهان (Acetoxys)



مقاوم للأشعة فوق البنفسجية والعوامل الجوية



مقاوم للماء والرطوبة بعد الجفاف



أداء ثابت يدوم لفترات طويلة



سهولة التطبيق وسهل التنعيم والتشطيب

المواصفات الفنية



النوع
أسيتوكسي (Acetoxys)



الكثافة
1.00 ± 0.03 g/ml



الاستطالة
حتى 700%



درجة الصلابة
20 - 25 (Shore A)



مدة الصلاحية
12 شهر



السعة
280 مل للكانزبج



+20554371873



info@alkayanint.com



www.alkayanint.com

سيليكون نقي 100% للاستخدامات العامة
أداء احترافي يدوم في أقسى الظروف



تركيبية 100% سيليكون نقي
يعالج برطوبة الجو
مع انكماش شبه
معدوم وأداء ثابت
بعد الجفاف



سرعة جفاف مناسبة
تكوين طبقة سطحية
خلال 5 - 8 دقائق
وجفاف للمس
خلال 10 - 15 دقيقة



مقاوم للبكتيريا
والفطريات
يمنع تكوّن العفن في
البيئات الرطبة



تحمل حراري عالي
يعمل بكفاءة في درجات
حرارة من
+22°C إلى -20°C



التصاق ممتاز
للأسطح غير المسامية
مثل الزجاج، السيراميك،
والألومنيوم



استيعاب حركة
الفواصل
حتى 5%
بدون تشقق

الاستخدامات



الواجهات الزجاجية



الألومنيوم



السيراميك والبلاط



المطابخ والحمامات



مجاري الهواء والتكييف



الاستخدامات الداخلية
والخارجية

ملاحظات مهمة

غير مناسب لبعض الأحجار الطبيعية

لا يُستخدم مع المعادن الحساسة

غير قابل للدهان



+20554371873



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AL KAYAN

MMA
PU902



القوة، المرونة، والأداء الفائق
لمشاريعك الكبرى.

عزل احترافي يدوم طويلاً في أقسى الظروف



حماية صحية فائقة

مقاوم قوي للبكتيريا
والفطريات (مثالي
للمستشفيات ومصانع
الأغذية).



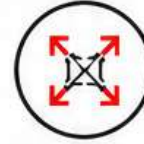
تحدي درجات الحرارة

كفاءة تشغيلية
من -50°C حتى
+150°C.



إنجاز أسرع للمهام

جفاف مبدئي في
5 دقائق، وجفاف
للمس خلال
10 دقائق.



استيعاب الهبوط والتمدد

مرونة واستطالة
استثنائية تصل إلى
600%.



دفع ضد العوامل الجوية

مقاومة ممتازة للأشعة
فوق البنفسجية
وتغيرات الطقس دون
الحاجة للدهان.

الاستخدامات



CURTAIN WALLS

واجهات زجاجية
ستركشر



ALUMINUM CLADDING

ألواح كلابدينج
الألومنيوم



EXPANSION JOINTS

فواصل التمدد
الخرسانية



WINDOWS & DOORS

النوافذ والأبواب
والإطارات



DUCTS & GUTTERS

مجاري الهواء والأمطار
والمزاريب



GRC / GRP JOINTS

فواصل GRC و GRP



التصاق ممتاز على معظم
الأسطح الملساء
وغير الملساء



مقاومة ميكانيكية
عالية



أداء طويل الأمد
وموثوق



مكون واحد
معالجة بالرطوبة



صديق للبيئة
وخالي من
المذيبات الضارة



النوع
أسيتوكسي
(Acetoxy)



الكثافة
1.00 ± 0.03
g/ml



الاستطالة
حتى 600%



درجة الصلابة
20 - 25
(Shore A)



مدة الصلاحية
12 شهر



السعة
600 مل



+20554371873



info@alkayanint.com



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الكيان لمواد العزل والأصق المتميزة - شريكك الموثوق.

سيليكون أكرليك متعدد الاستخدامات للمحترفين

سهولة في التطبيق - مقاومة تشققات - قابل للدهان

High quality siliconized acrylic sealant designed for sealing and finishing applications. Provides excellent adhesion, easy application, paintability and water clean-up.

المميزات



سهل الاستخدام
Easy Application



مقاوم للتشقق
Resists Cracking



قابل للتنظيف بالماء
Water-based



مناسب للنوافذ والأبواب
Windows & Doors



قابل للدهان
Paintable



مناسب للفواصل والشقوق
Joints & Cracks



الاستخدامات



نوافذ وأبواب
Windows & Doors



فواصل الجدران
Wall Joints



التشطيبات الداخلية
Interior Finishing



أعمال الديكور
Decorative Works



ملاحظات هامة



للاستخدام الداخلي
والخارجي



يفضل على الأسطح
النظيفة والجافة



غير مناسب للمناطق
المعرضة للمياه بشكل دائم



+20 554 371 873



info@alkayanint.com



www.alkayanint.com

مانع تسرب سيليكوني مقاوم للعوامل الجوية

عزل قوي - مرونة عالية - حماية تدوم طويلاً

WS-250 هو مانع تسرب سيليكوني عالي الجودة متصلب بتفاعل الرطوبة (Neutral Cure) يوفر أداءً ممتازاً في الواجهات والزجاج والألومنيوم. يتميز بمقاومة فائقة للأشعة فوق البنفسجية والعوامل الجوية مع قدرة عالية على تحمل حركة الفواصل.

المميزات

مقاوم للعوامل الجوية والأشعة فوق البنفسجية UV & Weather Resistance	مقاوم للماء والرطوبة Water & Moisture Resistant	مرونة عالية وقدرة فائقة على تحمل حركة الفواصل High Joint Movement Accommodation
التصاق ممتاز على معظم الأسطح المسامية وغير المسامية Excellent Adhesion	مقاومة ميكانيكية عالية Excellent Mechanical Resistance	متصلب بتفاعل الرطوبة (Neutral Cure) Neutral Cure

الاستخدامات

نوافذ وأبواب Windows & Doors	واجهات زجاجية Curtain Walls	ألواح ألومنيوم مركبة (ACP) Aluminum Composite Panels (ACP)	مزاريب ومصارف المياه ودكنات التهوية Gutters, Spouts & Ventilation Ducts	فواصل الخرسانة والبلاط والطوب Concrete, Blockwork & Brickwork Joints	فواصل محيطية حول وللنوافذ والواجهات Perimeter Joints (Frames & Facades)

المواصفات الفنية

25°C @ 50% RH قبل التصليب				الحالة بعد التصليب - 25°C @ 50% RH			
الخاصية	الوحدة	طريقة الاختبار	القيمة	الخاصية	الوحدة	طريقة الاختبار	القيمة
الأساس الكيميائي	-	-	1-C Silicone	الخاصية	-	-	23 - 26
أية التصليب	-	-	Moisture	نقطة	-	ASTM D 2240	(المطرفة 100)
نوع التصليب	-	-	Neutral	مقاومة الشد	N/mm ²	ASTM D 412	0.7 - 1.0 <
اللون	-	-	أبيض، رمادي، أسود	الاستطالة	%	ASTM D 412	500 - 600 <
الكثافة	-	-	1.32 ± 0.02	درجة حرارة الخدمة	°C	-	+50 إلى +150
قابلية الجريان (عدم السقوط)	mm	ASTM C 639	0 (Non-sag)	درجة حرارة التطبيق	°C	-	+45 إلى +5
زمن تكوين الجلد	دقيقة	ASTM C 679	5 - 10				
زمن الجفاف السطحي	دقيقة	ASTM C 679	20 - 30				
عمق التصليب (24 ساعة)	mm	Lab Test	2 - 3				

* قد تختلف أرمئة المعالجة (زمن تكوين الجلد والزمن الحاف السطحي) وفقاً لظروف المناخ أثناء التطبيق.

الألوان

متوفر بالألوان: بيش - رمادي - أسود
ألوان RAL متوفرة عند الطلب



التعبئة والتغليف

متوفر في خرطوشة (280 مل)
وسحق مغلف (600 مل) وبرميل (200 لتر)



مقاوم للأشعة فوق البنفسجية والطقس



مقاوم للماء والرطوبة



مناسب للاستخدامات الخارجية والداخلية



احكام قوي مع مرونة عالية



ملاحظات هامة



التصاق ممتاز على العديد من الأسطح



مقاومة فائقة للعوامل الجوية والأشعة UV



أداء طويل الأمد وجودة متوقعة



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اختر المنتج المناسب لاحتياجات مشروعك

جديد



WS-250 WEATHERING SILICONE SEALANT - MMA		PU-902 CONSTRUCTION SEALANT	GP 100% SILICONE SEALANT	GP PREMIUM SILICONE SEALANT	ACRYLIC 700 ACRYLIC SEALANT
نوع المنتج	Silicone (Neutral Cure)	Polyurethane	Silicone	Silicone	Acrylic
الاستخدام	خارجي	خارجي قوي	عام	احترافي	داخلي
المرونة	عالية جداً	عالية جداً	عالية	عالية	متوسطة
قابل للدهان	✗	✗	✗	✗	✓
مقاومة للدهان	ممتاز	ممتاز	ممتاز	ممتاز	جيد
مقاومة UV	عالي	عالي	عالي	عالي	متوسط
سرعة الجفاف	متوسط	سريع	سريع	سريع	سريع
أفضل استخدام	الواجهات والزجاج الألمنيوم والمشاريع الخارجية	الفواصل الإنشائية للمشاريع الثقيلة	الاستخدام العام للأسطح المختلفة	المشاريع الكبيرة والتشطيبات الاحترافية	التشطيبات الداخلية والفواصل الخفيفة



WS-250

سيلكون مقاوم للعوامل
الجوية والأشعة فوق
البنفسجية مع مرونة
عالية وحركة فائقة



PU-902

قوة ومتانة عالية
مقاوم للحركة والاهتزاز
للمشاريع الإنشائية



GP 100%

توازن مثالي بين
الأداء والسعر
سيلكون نقي 100%



GP PREMIUM

أعلى جودة ومرونة
للمشاريع الاحترافية
والتشطيبات العالية



ACRYLIC 700

سهل وسريع التطبيق
للتشطيبات الداخلية
قابل للدهان



النوافذ والأبواب
Windows & Doors



الواجهات الزجاجية
Curtain Walls



ألواح الألمنيوم المركبة
(ACP)
Aluminum Composite
Panels (ACP)



مجاري المياه
وقنوات التهوية
Gutters, Spouts &
Ventilation Ducts



فواصل الخرسانة
والبلوك والطوب
Concrete, Blockwork
& Brickwork Joints



فواصل محيطية
حول النوافذ
والواجهات
Perimeter Joints
(Frames & Facades)

مجالات
الإستخدام

TECHNICAL DATA SHEET

MMA GP 3800

PRODUCT DESCRIPTION

MMA GP Acetoxy Silicone is a versatile, single-component construction sealant that undergoes acetic cure, reacting with atmospheric moisture to form a resilient rubber seal. Designed for multipurpose applications, it delivers high strength, durability, and elasticity upon curing.

TECHNICAL PROPERTIS



Properties	Test Method	Unit	Specifications
Chemical Base			1-C Silicone
Cure Mechanism			Moisture
Cure Type			Acetoxy
As Supplied @ 25°C, 50% RH			
Color			Clear, White, Black
Consistency			Homogeneous paste
Density	ASTM D 1475		0.91 ± 0.02
Flow Properties	ASTM C 639	mm	0 (Non-sag)
Skin Over Time	ASTM C 679	minutes	Approx. 2-5
Tack Free Time	ASTM C 679	minutes	Approx. 15 - 20
Depth Cure, 24 hrs	Lab Test	mm	2-3
As Cured – 7 Days @ 25°C, 50% RH			
Hardness (Shore A)	ASTM D 2240	Points	15 – 20
Tensile Strength	ASTM D 412	N/mm ²	≤ 0.7-0.9
Elongation	ASTM D 412	%	≤ 700
Service Temp.		°C	-20 to +220
Application Temp.		°C	5 to 45

Note:

* Curing time (Skin Over Time & Tack Free Time) may vary depending on climatic condition during application.

* Information on this data sheet is subject to change without prior notice and should not be used for writing specifications

TYPICAL USES	KEY FEATURES
- General Purpose Sealing and bonding - Suitable for indoor and outdoor applications. - Ideal for use in residential, commercial, and industrial settings. - Sealing masonry joints, balcony, window, and door perimeter joints - Galvanized metal joints	- High-Flexibility - Multi-Purpose - Easy to apply and offers excellent adhesion to nonporous substrates like glass, glazed ceramic tiles, and aluminum. - Antifungal / Antibacterial

COLORS	MMA GP 3800 is available in Clear, White, Black and Grey. RAL* colors are available upon request. *Special color orders may require lead time and minimum order quantities.
PACKAGING	MMA GP 3800 is available in collapsible tube (90ml), standard caulking cartridges (280 ml) and 200 Liter drum.
SURFACE PREPARATION	The substrate areas that will be in contact with sealant must be clean, dry and free of all loose materials, dust, dirt, rust, oil and other contaminants. Non - porous substrates should be cleaned with a solvent and a clean, lint - free, cotton cloth. Wipe dry immediately with another such cloth before the solvent evaporates from the surface.
JOINT DIMENSIONS	Joint dimensions: Min. width for joints: 5 mm, Max. width for joints: 30 mm, Min. depth for joints: 5 mm. Recommendation Sealing jobs: Joint width= 2 X Joint depth
JOINT DESIGN	The movement capability of the sealant must be considered to decide the joint design. In order to reduce the deformations of the joints, depth must be less than width. Depths should be preferably half of the width and it's adjusted by the use of a backup material.
TOOLING AND FINISHING	Immediately tool sealant after application and before skin formation. Tooling of sealant should be done in one continuous stroke. Remove masking tape immediately after tooling is completed.
CLEANUP AND REMOVAL	Uncured sealant may be removed from tools, equipment and non-porous surfaces with solvents. For porous substrates, allow the sealant to cure before removal by peeling or other mechanical means. Cured sealant can only be removed mechanically.
LIMITATIONS	Not paintable. May not be suitable to join sensitive natural stones such as marble, granite or quartz, as this may cause staining. Not to be used in contact with sensitive metals such as lead, copper, brass, zinc, carbon steel, galvanized iron or magnesium as corrosion may occur during acetic acid release/sealant cure. Substrate compatibility test is always recommended.
STORAGE AND SHELF LIFE	When stored in original unopened container at or below 77°F (25°C) in dry warehouse conditions, MMA GP 3800 has a shelf life of 12 months from manufacturing date. Containers should always be kept sealed when not in use.
HANDLING PRECAUTIONS	Use in well-ventilated area during vulcanization acetic acid may release . Direct contact of uncured sealant irritates eyes and may irritate skin. Over exposure to vapor may irritate eyes, nose and throat. Do not handle contact lenses with sealant on hands. In case of eye contact, flush eyes with water for 15 minutes. Obtain medical attention. In case of skin contact, remove from skin and flush with water.

KEEP OUT OF REACH OF CHILDREN • KEEP CONTAINER TIGHTLY CLOSED • FOR INDUSTRIAL & PROFESSIONAL USE

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made. MMA reserves the right to change the properties of its products without notice

TECHNICAL DATA SHEET

MMA 100%

PRODUCT DESCRIPTION

MMA GP 100% Silicone Sealant represents a cutting-edge addition to our lineup of acetic sealants tailored for professional applications. As a single-component silicone, it cures in response to atmospheric moisture, ensuring minimal shrinkage for optimal results. This versatile sealant finds utility across diverse construction and glazing tasks. Its user-friendly application process is complemented by outstanding adhesion properties to a spectrum of nonporous surfaces, including glass, glazed ceramic tiles, and aluminum. Additionally, it possesses potential anti-fungicide properties, effectively inhibiting mold formation.

TECHNICAL PROPERTIS



Properties	Test Method	Unit	Specifications
Chemical Base			1-C Silicone
Cure Mechanism			Moisture
Cure Type			Acetoxy
<i>As Supplied @ 25°C, 50% RH</i>			
Color			Clear, White, Black
Consistency			Homogeneous paste
Density	ASTM D 1475		1.0 ± 0.02
Flow Properties	ASTM C 639	mm	0 (Non-sag)
Skin Over Time	ASTM C 679	minutes	Approx. 5-8
Tack Free Time	ASTM C 679	minutes	Approx. 10-15
Joint Movement Capability	ASTM C719	%	25
Depth Cure, 24 hrs	Lab Test	mm	2.8 - 3
<i>As Cured – 7 Days @ 25°C, 50% RH</i>			
Hardness (Shore A)	ASTM D 2240	Points	23– 25
Tensile Strength	ASTM D 412	N/mm ²	1.40-1.60
Elongation	ASTM D 412	%	500 - 600
Service Temp.		°C	-20 to +220
Application Temp.		°C	5 to 45

Note:

* Curing time (Skin Over Time & Tack Free Time) may vary depending on climatic condition during application. * Information on this data sheet is subject to change without prior notice and should not be used for writing specifications

TYPICAL USES	KEY FEATURES
• Ideal for professional sealing and bonding applications. • Ideal for use in a variety of settings due to its superior adhesion properties. It adheres exceptionally well to a wide range of materials including: Glass, Glazed surfaces, Galvanized metals, Plastics, Tiles, Wood, Concrete and Other common building materials. • Suitable for both indoor and outdoor use. • Suitable for use in kitchens, bathrooms, and other high-humidity areas. • Panel stiffener applications	• High-quality, single-component acetic cure silicone sealant. • Fast Curing • Anti-fungal & anti-bacterial • Excellent sealing and bonding capabilities. • Easy to apply and offers excellent adhesion to nonporous substrates like glass, glazed ceramic tiles, and aluminum.

COLORS	MMA GP 100% is available in Clear, White, Black and Grey. RAL* colors are available upon request. *Special color orders may require lead time and minimum order quantities.
PACKAGING	MMA GP 100% SILICONE SEALANT is available in collapsible tube (90ml), standard caulking cartridges (280 ml) and 200 Liter drum.
SURFACE PREPARATION	Surface preparation is critical for effective sealant adhesion. Prior to application, ensure substrate areas are clean, dry, and free of contaminants such as dust, dirt, and oil. Non-porous surfaces should be cleaned using a solvent and wiped dry with a lint-free cloth before the solvent evaporates. This meticulous process promotes optimal sealant performance.
JOINT DIMENSIONS	Joint dimensions: Min. width for joints: 5 mm, Max. width for joints: 30 mm, Min. depth for joints: 5 mm. Recommendation Sealing jobs: Joint width= 2 X Joint depth
JOINT DESIGN	When designing joints for sealant application, it's crucial to account for the sealant's movement capability. To minimize joint deformations, the depth should be less than the width. Ideally, depths should be around half the width, adjusted as needed using backup materials. This approach helps maintain joint integrity and ensures effective sealing over time.
TOOLING AND FINISHING	Immediately tool sealant after application and before skin formation. Tooling of sealant should be done in one continuous stroke. Remove masking tape immediately after tooling is completed.
CLEANUP AND REMOVAL	Uncured sealant may be removed from tools, equipment and non-porous surfaces with solvents. For porous substrates, allow the sealant to cure before removal by peeling or other mechanical means. Cured sealant can only be removed mechanically.
LIMITATIONS	Not paintable. May not be suitable to join sensitive natural stones such as marble, granite or quartz, as this may cause staining. Not to be used in contact with sensitive metals such as lead, copper, brass, zinc, carbon steel, galvanized iron or magnesium as corrosion may occur during acetic acid release/sealant cure. Substrate compatibility test is always recommended.
STORAGE AND SHELF LIFE	When stored in original unopened container at or below 77°F (25°C) in dry warehouse conditions, MMA GP 100% has a shelf life of 15 months from manufacturing date. Containers should always be kept sealed when not in use.
HANDLING PRECAUTIONS	Use in well-ventilated area during vulcanization acetic acid may release. Direct contact of uncured sealant irritates eyes and may irritate skin. Over exposure to vapor may irritate eyes, nose and throat. Do not handle contact lenses with sealant on hands. In case of eye contact, flush eyes with water for 15 minutes. Obtain medical attention. In case of skin contact, remove from skin and flush with water.

• KEEP OUT OF REACH OF CHILDREN • KEEP CONTAINER TIGHTLY CLOSED • FOR INDUSTRIAL & PROFESSIONAL USE

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TECHNICAL DATA SHEET

MMA PU902

PRODUCT DESCRIPTION

MMA PU902 Sealant is a premium neutral cure Polyurethane Sealant engineered for long-lasting weather resistance and durability. It provides excellent adhesion to most porous and non-porous substrates without staining, while accommodating high joint movement. Ideal for structurally glazed curtain walls, aluminum cladding, expansion joints and external perimeter joints in concrete, blockwork, and brickwork.

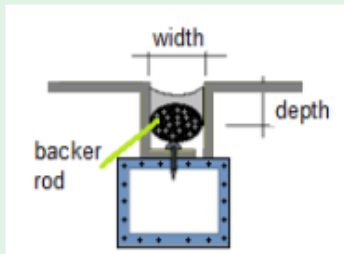
TECHNICAL PROPERTIS

Properties	Test Method	Unit	Specifications
Chemical Base			1-C Polyurethane
Cure Mechanism			Moisture
Cure Type			Neutral
As Supplied @ 25°C, 50% RH			
Color			Black, White, Grey
Consistency			Homogeneous paste
Density	ASTM D 1475		1.32 ±.02
Flow Properties	ASTM C 639	mm	0 (Non-sag)
Skin Over Time	ASTM C 679	minutes	Approx. ≤5
Tack Free Time	ASTM C 679	minutes	Approx. 10
Depth Cure, 24 hrs	Lab Test	mm	2-3
As Cured – 7 Days @ 25°C, 50% RH			
Hardness (Shore A)	ASTM D 2240	Points	26-28
Tensile Strength	ASTM D 412	N/mm ²	≤ 1.0
Elongation	ASTM D 412	%	500-600
Service Temp.		°C	-50 to +150
		°C	5 to 45

Note:

* Curing time (Skin Over Time & Tack Free Time) may vary depending on climatic condition during application. * Information on this data sheet is subject to change without prior notice and should not be used for writing specifications

TYPICAL USES	KEY FEATURES
- Suitable for both indoor and outdoor architectural applications. - Aluminum composite panels (ACP). - Curtain walls. - Perimeter joint sealing (windows, doors panels, and frames, etc.) - Sealing and bonding of ventilation ducts, gutters and spouts etc. - GRC & GRP lining joints.	- Single-component, neutral curing, low modulus silicone sealant. - Excellent mechanical resistance. - Outstanding UV & Weather-Resistance characteristics. - High joint movement accommodation

COLORS	MMA PU902 Sealant available in White, Grey and Black colors. RAL* colors are available upon request. *Special color orders may require lead time and minimum order quantities
PACKAGING	MMA PU902 Sealant is available in standard caulking cartridges (280ml), packed sausages (600ml) and 200 Liter drum
SURFACE PREPARATION	Surface preparation is critical for effective sealant adhesion. Prior to application, ensure substrate areas are clean, dry, and free of contaminants such as dust, dirt, and oil. Non-porous surfaces should be cleaned using a solvent and wiped dry with a lint-free cloth before the solvent evaporates. This meticulous process promotes optimal sealant performance.
JOINT DIMENSIONS & COVERAGE RATE	For General Use: joints up to 12 mm wide, width to depth ratio = 1:1 $\frac{\text{width}}{\text{depth}} = \frac{1}{1} \text{ or } w = d$ joints over 12 mm wide, width to depth ratio = 2:1 $\frac{\text{width}}{\text{depth}} = \frac{1}{0.5} \text{ or } w = 2d$  Install backing material, spacer, or joint filler to ensure correct depth to width ratio is achieved according to design. Apply masking tapes to areas adjacent to joints to ensure neat sealant lines. The approximate linear meter sealant consumption per liter can be estimated from the following formula: Sealant Consumption per linear meter per liter. = $W \times D / 1000$ Where: W = Joint Width (mm), D = Joint Depth (mm).
TOOLING AND FINISHING	Immediately tool sealant after application and before skin formation. Tooling of sealant should be done in one continuous stroke. Remove masking tape immediately after tooling is completed.
CLEANUP AND REMOVAL	Uncured sealant may be removed from tools, equipment and non-porous surfaces with solvents. For porous substrates, allow the sealant to cure before removal by peeling or other mechanical means. Cured sealant can only be removed mechanically.
LIMITATIONS	Not paintable.
STORAGE AND SHELF LIFE	When stored in original unopened container at or below 77°F (25°C) in dry warehouse conditions, MMA PU902 SEALANT has a shelf life of 12 months from manufacturing date. Containers should always be kept sealed when not in use.
HANDLING PRECAUTIONS	Use in well-ventilated area. Direct contact of uncured sealant irritates eyes and may irritate skin. Over exposure to vapor may irritate eyes, nose and throat. Do not handle contact lenses with sealant on hands. In case of eye contact, flush eyes with water for 15 minutes. Obtain medical attention. In case of skin contact, remove from skin and flush with water.

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TECHNICAL DATA SHEET

MMA Acrylic Sealant

PRODUCT DESCRIPTION

MMA Acrylic Sealant is a high-performance, single-component, water-based Siliconized acrylic sealant formulated for caulking, grouting, joint sealing, acoustic assemblies, and embedding in building construction. It cures to form a flexible, durable, and paintable seal that resists cracking, providing a smooth finish suitable for both interior and exterior applications. It offers excellent adhesion to materials commonly used in construction, including concrete, wood, brick, stone, metal, and sanitary ware.

TECHNICAL PROPERTIS

Properties	Test Method	Unit	Specifications
Chemical Base			Mild Acrylic / Ammonia
Curing Rate			Approximately 48 hours per 2mm @25°C, 50% RH
Odor			Mild Acrylic
Appearance			Non-Sag Smooth Paste
Density	ASTM D1475		1.70 ± 0.05 g/cm ³
Skin Formation / Tack-Free Time	ASTM C 679	minutes	10 – 12 minutes
Hardness (Shore A)	ASTM D 2240	Points	26 ± 2
Service Temperature Range		°C	– 10°C to 80°C
Peel Adhesion Strength (Aluminum)	ASTM C794 - 18 - (2022)	%	1.18 N/mm (No Adhesion Bond Failure Observed)
Application Temp.		°C	5°C to 50°C

Note:

* All values given are subject to 5 – 10% tolerance.



TYPICAL USES

KEY FEATURES

PACKAGING	MMA Acrylic SEALANT is available in 450 gm cartridges, packed in cartons of 24 cartridges.
ADVANTAGES / CHARACTERISTICS	MMA Acrylic SEALANT offers a range of benefits for professional sealing: • Single-component, easy-to-apply formulation Paintable within one hour after application • Flexible after curing with excellent crack resistance • Excellent airborne sound insulation properties • Smooth finish for professional appearance • Water-based, low VOC, and non-toxic formulation • Excellent adhesion to most construction substrates • Resistant to weathering under normal atmospheric conditions • Suitable for both interior and exterior applications • Compliance with BS 3712 standards
AREA OF APPLICATION	MMA Acrylic SEALANT is suitable for a wide variety of sealing and bonding applications, including: • Sealing gaps around door and window frames • Sealing joints around ventilation grills • Sealing joints between ceilings and walls • Sealing joints in blockwork where only low movement is anticipated • Sealing duct penetrations and utility holes • Filling minor cracks and surface imperfections before painting Its superior performance and ease of application make it an ideal solution for general-purpose sealing tasks in residential, commercial, and industrial environments.
COLORS	Available Colors: White, Beige , Black , Gray
SURFACE PREPARATION	All surfaces must be clean, dry, structurally sound, and free from dust, oil, grease, rust, and other contaminants. Non-porous substrates such as metal must be degreased with an appropriate solvent. Gaps exceeding 5mm should be filled with appropriate backing material prior to sealant application.
Application Procedure	• Cut the tip of the cartridge nozzle to the desired bead size & insert the cartridge into a standard caulking gun. • Apply the sealant continuously into the joint, ensuring full contact with the substrate. • Tool the bead immediately using a spatula or putty knife to achieve a smooth, professional finish. • Remove any excess material and clean tools with soapy water immediately after application.
Coverage	Approximately 20 linear meters per 450 gm cartridge for a 4mm x 4mm joint
Post-Application Considerations	• Protect joints from mechanical stress during the initial curing period. • Maintain appropriate environmental conditions to facilitate full curing.
Avoid Application In	• Areas subjected to continuous water immersion • Glass sealing or high-movement joints • Substrates prone to oil or plasticizer migration such as rubber, polyethylene, polypropylene, or Teflon
Curing Time Considerations	• Tack-free in approximately 10-12 minutes • Full cure within 48 hours for 2mm thickness under standard conditions (25°C, 50% RH)
ENVIRONMENTAL CONDITIONS	• Application Temperature Range: 5°C to 50°C • Optimal Relative Humidity: 50%-70% • Dry and stable substrates are essential for proper curing

	Adequate ventilation must be ensured during application and curing
HEALTH & SAFETY	- MMA Acrylic Sealant is non-toxic, water-based, and environmentally friendly. - Avoid contact with eyes and prolonged contact with skin. - In case of accidental contact, rinse immediately with clean water. - Refer to the Safety Data Sheet (SDS) for full health and safety information.
STORAGE & SHELF LIFE	- Store in a cool, dry place between +5°C and +30°C. Protect from direct sunlight and sources of heat. - Shelf Life: Up to 24 months from the date of manufacture in original unopened packaging under recommended storage conditions.
CERTIFICATES & STANDARDS	- Complies with BS 3712 Standard - Manufactured under ISO-certified quality management systems

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TECHNICAL DATA SHEET

MMA 250C Weather

PRODUCT DESCRIPTION

MMA 250C Weather Sealant is a premium neutral cure silicone engineered for long-lasting weather resistance and durability. It provides excellent adhesion to most porous and non-porous substrates without staining, while accommodating high joint movement. Ideal for structurally glazed curtain walls, aluminum cladding, expansion joints and external perimeter joints in concrete, blockwork, and brickwork.

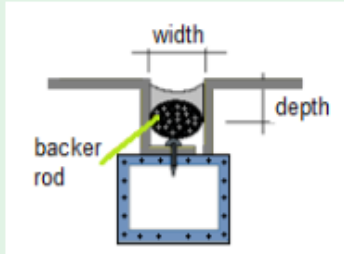
TECHNICAL PROPERTIS

Properties	Test Method	Unit	Specifications
Chemical Base			1-C Silicone
Cure Mechanism			Moisture
Cure Type			Neutral
<i>As Supplied @ 25°C, 50% RH</i>			
Color			Black, White, Grey
Consistency			Homogeneous paste
Density	ASTM D 1475		1.32 ±.02
Flow Properties	ASTM C 639	mm	0 (Non-sag)
Skin Over Time	ASTM C 679	minutes	Approx. 5-10
Tack Free Time	ASTM C 679	minutes	Approx. 20-30
Depth Cure, 24 hrs	Lab Test	mm	2-3
<i>As Cured – 7 Days @ 25°C, 50% RH</i>			
Hardness (Shore A)	ASTM D 2240	Points	23-26
Tensile Strength	ASTM D 412	N/mm ²	≤ 0.7-1.0
Elongation	ASTM D 412	%	≤ 500-600
Service Temp.		°C	-50 to +150
		°C	5 to 45

Note:

* Curing time (Skin Over Time & Tack Free Time) may vary depending on climatic condition during application. * Information on this data sheet is subject to change without prior notice and should not be used for writing specifications

TYPICAL USES	KEY FEATURES
• Suitable for both indoor and outdoor architectural applications. • Aluminum composite panels (ACP). • Curtain walls. • Perimeter joint sealing (windows, doors panels, and frames, etc.) • Sealing and bonding of ventilation ducts, gutters and spouts etc. • GRC & GRP lining joints.	• Single-component, neutral curing, low modulus silicone sealant. • Excellent mechanical resistance. • Outstanding UV & Weather-Resistance characteristics. • High joint movement accommodation

COLORS	MMA 250C Sealant available in White, Grey and Black colors. RAL* colors are available upon request. *Special color orders may require lead time and minimum order quantities
PACKAGING	MMA 250C Sealant is available in standard caulking cartridges (280ml), packed sausages (600ml) and 200 Liter drum
SURFACE PREPARATION	Surface preparation is critical for effective sealant adhesion. Prior to application, ensure substrate areas are clean, dry, and free of contaminants such as dust, dirt, and oil. Non-porous surfaces should be cleaned using a solvent and wiped dry with a lint-free cloth before the solvent evaporates. This meticulous process promotes optimal sealant performance.
JOINT DIMENSIONS & COVERAGE RATE	For General Use: joints up to 12 mm wide, width to depth ratio = 1:1 $\frac{\text{width}}{\text{depth}} = \frac{1}{1} \text{ or } w = d$ joints over 12 mm wide, width to depth ratio = 2:1 $\frac{\text{width}}{\text{depth}} = \frac{1}{0.5} \text{ or } w = 2d$  Install backing material, spacer, or joint filler to ensure correct depth to width ratio is achieved according to design. Apply masking tapes to areas adjacent to joints to ensure neat sealant lines. The approximate linear meter sealant consumption per liter can be estimated from the following formula: Sealant Consumption per linear meter per liter. = W x D/1000 Where: W = Joint Width (mm), D = Joint Depth (mm).
TOOLING AND FINISHING	Immediately tool sealant after application and before skin formation. Tooling of sealant should be done in one continuous stroke. Remove masking tape immediately after tooling is completed.
CLEANUP AND REMOVAL	Uncured sealant may be removed from tools, equipment and non-porous surfaces with solvents. For porous substrates, allow the sealant to cure before removal by peeling or other mechanical means. Cured sealant can only be removed mechanically.
LIMITATIONS	Not paintable.
STORAGE AND SHELF LIFE	When stored in original unopened container at or below 77°F (25°C) in dry warehouse conditions, MMA 250 C SEALANT has a shelf life of 12 months from manufacturing date. Containers should always be kept sealed when not in use.
HANDLING PRECAUTIONS	Use in well-ventilated area. Direct contact of uncured sealant irritates eyes and may irritate skin. Over exposure to vapor may irritate eyes, nose and throat. Do not handle contact lenses with sealant on hands. In case of eye contact, flush eyes with water for 15 minutes. Obtain medical attention. In case of skin contact, remove from skin and flush with water.

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حلول متطورة لمواد العزل واللاصق
لدعم كل مشروع وبناء مستقبل أفضل



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مواد عالية الجودة
لجمالية تدوم



تقنية متطورة
تركيبات متقدمة
لأعلى أداء



كفاءة وموثوقية
أداء ثابت في جميع
الظروف



شريك نجاح
نحن معك في كل
خطوة



شكراً

لاختياركم الكيان

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