

SOLUTIONS  **IG**

We provide
the Glass Industry
Security of Supply

SOLUTIONS  **IG**

PRIMARY SEALANTS THAT LAST

The Solutions-IG's line of insulating glass primary sealants lead the industry in strength, adhesion and longevity.

WHEN QUALITY IS THE ONLY OPTION

All of Solutions- IG's insulating glass primary sealants exhibit low argon permeability and inherently low moisture vapor transmission along with excellent adhesion to aluminum, stainless steel and tin-plated steel spacer substrates.



PRIMARY SEALANTS



PIB 7000

PIB 7000 is a black, solvent-free, one-component polyisobutylene that offers exceptional adhesion to most surfaces and features one of the lowest water vapour and gas permeability values of all our primary sealants.



PIB 2000

Standard black, solvent-free, one-component, polyisobutylene.



PIB 7000G

Standard grey, solvent-free, one-component, polyisobutylene.

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PIB 7000

TECH/SPECS

use

Primary sealant PIB 7000 may be used with most commercially available urethane, silicone, polysulfide or butyl hot melt insulating glass secondary sealants.

preperation

To clean and degrease glass and metals. Primer is not required. PIB 7000 is supplied ready for use but must be heated to approx. +110°C to +130°C for application. The product is applied with heated butyl extruders.

tech.

Base	Synthetic rubber (polyisobutylene), solvent-free
Color	Black
Consistency	Solid compound
Notes	Can only be applied using a heated butyl extruder

performance testing

	Typical Values	Test Method
Density		
- A component	approx. 1.05 g/cm³	DIN 53 479, +23°C
Gas Permeation	< 0.001 g/m²•h	EN 1279.4
Water Vapour Transmission Rate	< 0.1 g/m²•d	EN 1279.4
Volatile content	fi 0.5%	EN 1279.6, annex G
Penetration	approx 32	ISO 2173

safety

Prior to working with this or any product consult product label and Material Safety Data Sheet (MSDS) for necessary health and safety precautions.

storage

Store material in original unopened packaging at temperatures between **+10°C // +30 °C**

PIB 2000 / PIB 7000 G

TECH/SPECS

use

Primary sealants PIB 2000& PIB 7000 G may be used with most commercially available urethane, silicone, polysulfide, or butyl hot melt insulating glass secondary sealants.

preperation

The surfaces to be bonded must be dry, clean and free from dust and grease. Glass surfaces should be thoroughly cleaned by hand or machine with non-film forming low residue detergent and rinsed thoroughly with clean hot water.

tech.

Base	Synthetic rubber (polyisobutylene), solvent-free
Color	PIB 2000 (Black) / PIB 7000 G (Grey)
Consistency	Solid compound
Notes	Can only be applied using a heated butyl extruder

performance testing

	Typical Values	Test Method
Moisture Vapor Transmission	0.09 g/m ² /24 hr	ASTM F1249 2mm thickness
Argon Diffusion	0.02 L/m ² /24h/ 760mm	ASTM D3985 3mm thickness
Press Flow Extrusion Viscosity	13 seconds	ASTM D2452 110°C (230°F) 8.6 mm ofifice
Cone Penetration	55 dmm	ASTM D217,150g added load
Solids Content	100%	n/a
Specific Gravity	1.10	ASTM D71
Weight Per Gallon	9.2 lb	n/a

safety

Prior to working with this or any product consult product label and Material Safety Data Sheet (MSDS) for necessary health and safety precautions.

storage

Store material in original unopened packaging at temperatures between 40°F-100°F



SECONDARY SEALANTS THAT LAST

The Solutions-IG line of insulating glass secondary sealants lead the industry in strength, adhesion and longevity.

PREMIUM IG SECONDARY SEALANTS

Solutions-IG's insulating glass secondary sealants exhibit low argon permeability and inherently low moisture vapor transmission along with excellent adhesion to aluminum, stainless steel and tin-plated steel spacer substrates.

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SECONDARY SEALANTS



IG SEAL 999

Two Component Polysulfide IG Sealant.



IG SEAL 900

Silicone IG Sealant.



IG HOT SEAL

Hot Melt Butyl IG Sealant.



TPS 1000

Thermoplastic Spacer

ADHESION
WHERE YOU
NEED IT,
MOISTURE
WHERE YOU
DON'T



IG SEAL 999

TECH/SPECS

IG SEAL 900

TECH/SPECS

use

IG SEAL 999 may be used with most commercially available insulating glass primary sealants.

preperation

The joint faces or surfaces to be bonded must be dry, clean and free from dust and grease.

use

IG SEAL 900 may be used with most commercially available insulating glass primary sealants.

preperation

The joint faces or surfaces to be bonded must be dry, clean and free from dust and grease.

tech.

Base	Polysulphide (A comp.) / Manganese Dioxide (B comp.)
Color	Mixed: Anthracite
Consistency	Paste
Mix Ratio A : B	Volume (10 : 1) / Weight (10 : 0,92)

tech.

Base	Silicone Polymer (A comp.) / (B comp.)
Color	Beige (A comp.) / Black (B. comp.)
Consistency	Paste
Mix Ratio A : B	Volume (10 : 1) / Weight (10 : 1)

performance testing

	Typical Values	Test Method
Density		
- A-component	approx. 1.85 g/cm³	+23°C / 73.4°F
- B-component	approx. 1.70 g/cm³	+23°C / 73.4°F
Peel Resistance	> 4 N/mm	Internal test method 86
Tear Resistance Hardness	> 0.8 N/mm²	Internal test method 75
Hardness Shore A	fi 38	EN 1279.6, annex E
Adhesion Floatglass	approx. 0.36 N/mm²	EN 1279.4, annex A
Water Vapour Transmission Rate	< 9 g/m²•d	EN 1279.4
Gas Permeation (Ar)	0.006 g/m²•h	EN 1279.4
Volatile Content	< 1%	EN 1279.6, annex G

performance testing

	Typical Values	Test Method
Density		
- A-component	approx. 1.37 g/cm³	DIN 53 479
- B-component	approx. 1.37 g/cm³	DIN 53 479
Track Free Time	120 min.	Rh %32 - 23 °C
Hardness Shore A	38	EN 1279,6, annex E
Adhesion Floatglass	0.41 MPa	EN 1279.6, annex E
Design Stress in Tension	0.14 MPa	ETAG 002
Water Vapour Transmission Rate	< 20 g/m²•d	EN 1279.4
Gas Permeation (Ar)	0.5 g/m²•h	EN 1279.4
Volatile Content	fi 0.5%	EN 1279.6, annex G

safety

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storage

Store in unopened containers in cool, dry conditions.

safety

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storage

Store in unopened containers in cool, dry conditions.

IG TPS 1000 TECH/SPECS

use IG TPS 1000 may be used with premium commercially available Polysulfide sealants.

preperation Surfaces to be bonded should be dry, clean and free from dust or grease.

tech.	Base	Synthetic polymers and desiccant
	Color	Black / Grey
	Consistency	Rigid Material
	Notes	Processable only at elevated temperatures (+185°F to +195°F)

performance testing		Typical Values	Test Method
	Density		
	- A-component	230 kg	ISO 1183-1
	MVI	400 cm³/10 min	ISO 1133
	Penetration	45 dmm	ASTM D 1321
	Maximum Moisture Adsorption Capacity	13.5 % by weight	EN 1279, part 2

safety Prior to working with this or any product consult product label and Material Safety Data Sheet (MSDS) for necessary health and safety precautions.

storage Store in a cool, dry and clean place. IG TPS 1000 may be stored at room temperature.

IG HOT SEAL TECH/SPECS

use IG HOT SEAL may be used with most commercially available primary sealants.

preperation Surfaces to be bonded should be dry, clean and free from dust or grease.

tech.	Base	Synthetic rubber
	Color	Black / Grey
	Consistency	Rigid material
	Notes	195 °C - 200°C Hand Pump (185 °C - 200°C)

performance testing		Typical Values	Test Method
	Density		
	- A-component	approx. 1.17 g/cm³	DIN 53 379, +23°C
	Peel Resistance	fi 4 N/mm	Internal test method
	Gas Permeability	< 0.01 g/m².h	EN 1279.4
	Water Vapour Transmission Rate	< 0.2 g/m²•d	EN 1279.4
	Volatile Content	fi 1%	EN 1279.6, annex G
	MVI	155 cm³/10 min	DIN ISO 1133, 2,16 kg, +180°C

safety Prior to working with this or any product consult product label and Material Safety Data Sheet (MSDS) for necessary health and safety precautions.

storage Store in a cool, dry and clean place. Hot Melt Butyl may be stored at room temperature.

IGMOL 3000

use

IG MOL may be use all available traditional spacer bars.

preperation

Spacer must be clean. After useage box must be closed.

tech.

Base	Zeolite
Color	Beige
Consistency	Granul
Notes	Only for IGU application.

performance
testing

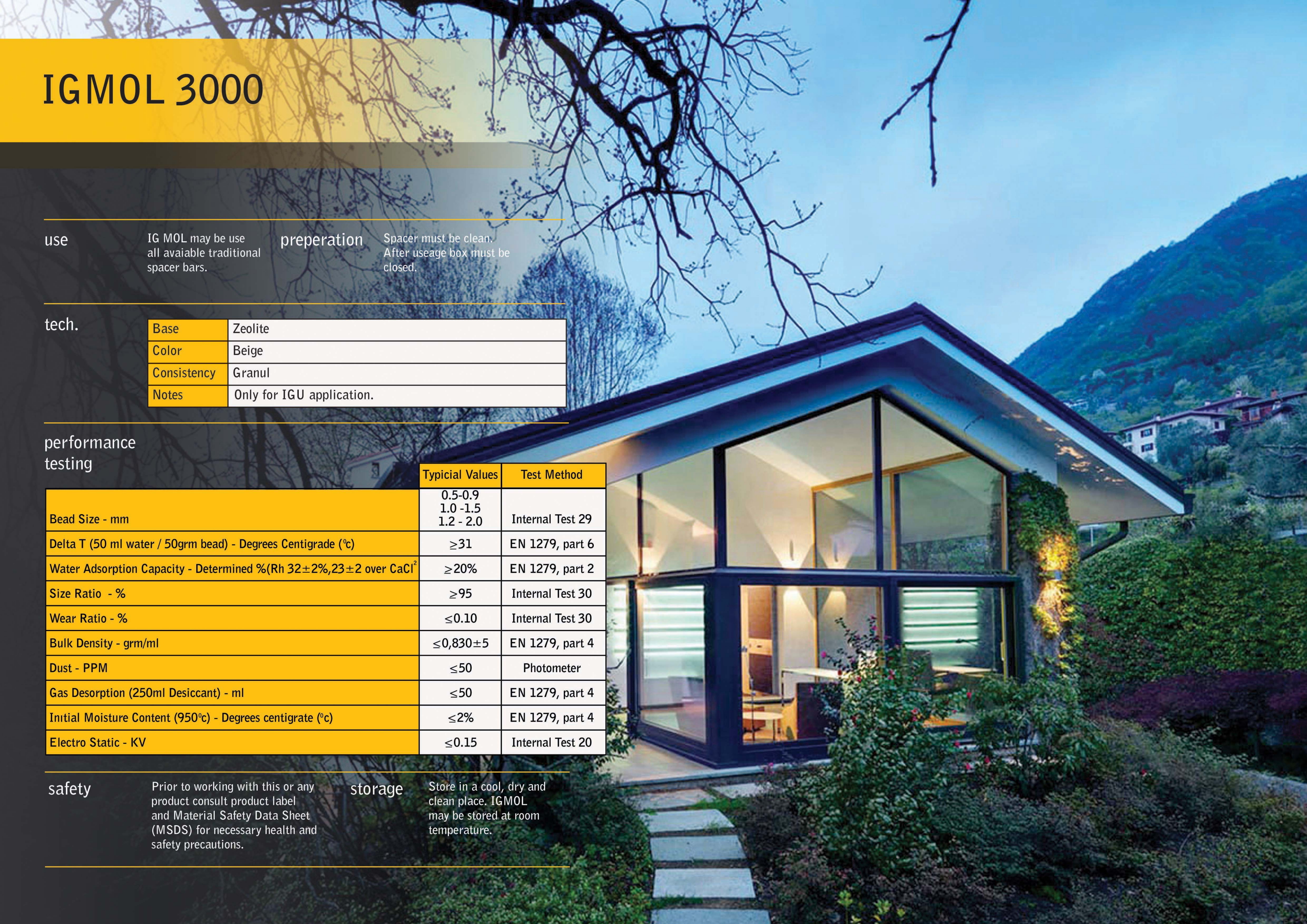
	Typicial Values	Test Method
Bead Size - mm	0.5-0.9 1.0 -1.5 1.2 - 2.0	Internal Test 29
Delta T (50 ml water / 50grm bead) - Degrees Centigrade (°c)	≥31	EN 1279, part 6
Water Adsorption Capacity - Determined %(Rh 32±2%,23±2 over CaCl ²	≥20%	EN 1279, part 2
Size Ratio - %	≥95	Internal Test 30
Wear Ratio - %	≤0.10	Internal Test 30
Bulk Density - grm/ml	≤0,830±5	EN 1279, part 4
Dust - PPM	≤50	Photometer
Gas Desorption (250ml Desiccant) - ml	≤50	EN 1279, part 4
Initial Moisture Content (950°c) - Degrees centigrate (°c)	≤2%	EN 1279, part 4
Electro Static - KV	≤0.15	Internal Test 20

safety

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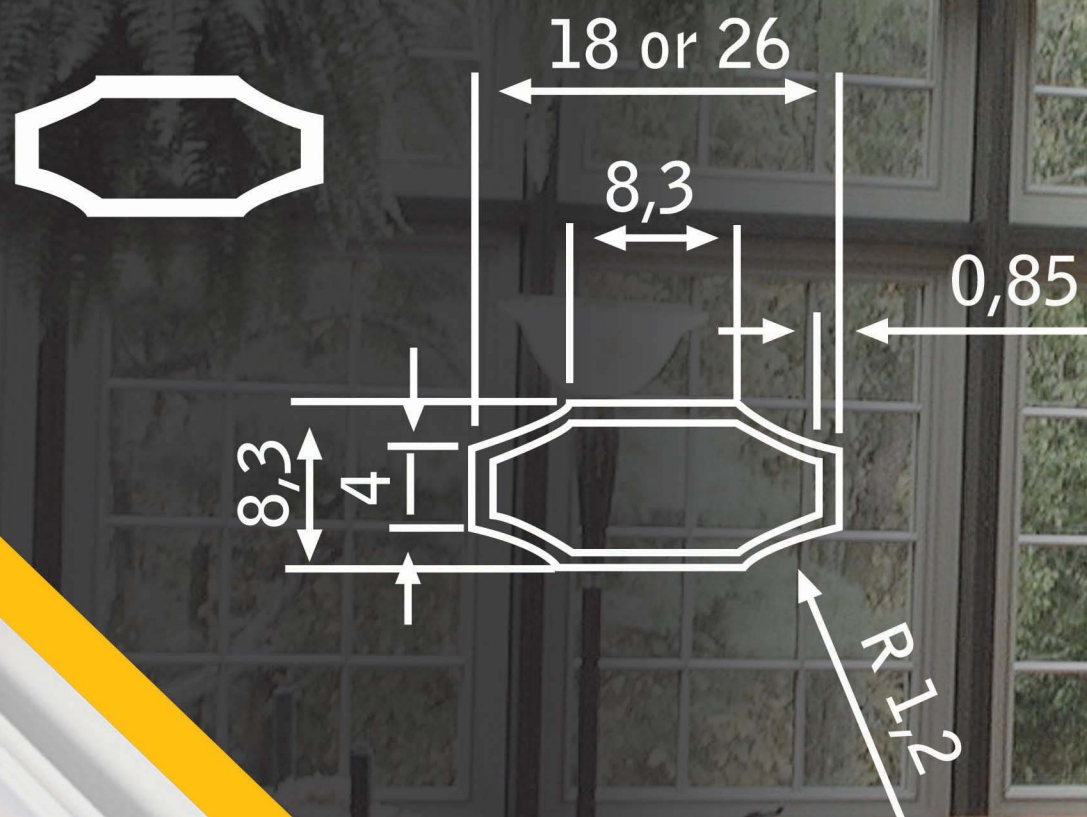
storage

Store in a cool, dry and clean place. IGMOL may be stored at room temperature.



GEORGIAN BAR

8 x 18 cm / 8 x 26 cm



Claret Red Profile (81807)
Antracit Gray Profile (81806)
Blue Profile (81805)
Light Oak Profile (81804)
Mahogany Profile (81803)
Bright Golden Oak
With Band Profile (81802)
Nuts Profile (81801)



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