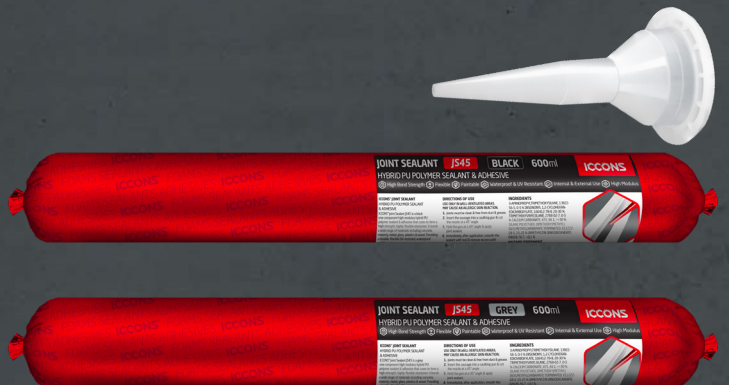


TDS | 2050.1

JOINT SEALANT JS45 HYBRID PU POLYMER SEALANT & ADHESIVE





JOINT SEALANT JS45

HYBRID PU POLYMER SEALANT & ADHESIVE

ICCONS® Joint Sealant JS45 is a one-component high modulus hybrid PU polymer sealant & adhesive that cures to form a high-strength, highly flexible elastomer. It bonds a wide range of materials including concrete, masonry, metal, glass, plastics & wood. Providing a durable, flexible UV-resistant, waterproof seal & bond.



FEATURES

- ✓ High Bond Strength
- ✓ Flexible
- ✓ Paintable
- ✓ Waterproof & UV Resistant
- ✓ Internal & External Use
- ✓ High Modulus

TYPICAL APPLICATIONS

- Expansion joints
- Perimeter joints
- Pavements floors
- Lap joints in roofing, guttering & cladding
- Façade applications
- Sound dampening

SUBSTRATE

Suitable for most building substrates:

- Concrete
- Masonry
- Glass
- Most plastics
- Galvanised iron & steel
- Glazed & ceramic tiles
- Sheet metal
- Aluminium
- Timber

ADVANTAGES

- Fast curing
- Sealing & bonding
- Great extrudability
- Weather & UV resistant
- Internal or external applications
- Paintable
- Solvent & Isocyanate free
- Joint movement $\pm 20\%$

PRODUCT CHARACTERISTICS

COLOUR	Black and Grey
APPEARANCE	Fine, Uniform paste
CURING METHOD	Fast curing
SERVICE TEMPERATURE	-30°C to +200°C
PRODUCT CODE	Black: FSA-JSBU600-HM45 Grey: FSA-JSGU600-HM45
SIZE	600mL Sausage

Part No.	Description	Colour	Qty.	Qty.
FSA-JSBU600-HM45	600ml Joint Sealant Hybrid PU Polymer Sealant & Adhesive High Modulus 45 - inc 20 nozzles	Black	20	900
FSA-JSGU600-HM45	600ml Joint Sealant Hybrid PU Polymer Sealant & Adhesive High Modulus 45 - inc 20 nozzles	Grey	20	900



TYPICAL PROPERTIES

ITEMS	C*a/T*b/S*c/O*d	UNIT	REQUIREMENT
Appearance		/	Fine, uniform paste
Density		g/cm ³	1.58±0.10
Tack free	///Finger	min	≤30
Sagging		mm	≤1
Hardness, Shore A	7d///	/	45 ± 10
Curing Depth	24h///	mm	≥2.5
	7d///	mm	≥6.0
Elongation at break	7d///	%	≥300
Tensile Strength	7d///	MPa	≥1

NOTES:

*a: Conditioning, specimen is conditioned under (23±2)°C, (50±5)% relative humidity if not specified;

*b: Testing Condition, specimen is tested at (23±2) °C, (50±5)% relative humidity if not specified;

*c: Substrate

*d: Others need to be specified.

JOINT DESIGN - MORTAR 20%

Min, joint width (mm)	Min, joint depth (mm)	Joint distance (metres)
12	10	2
20	10	4
25	12	6
30	15	8
40	15	10

GUIDE TO QUANTITIES 20%

Joint size (mm)	Application /600ml Sausage (metres)
12 × 10	5
20 × 10	3
25 × 12	2
30 × 15	1.3
40 × 15	1



DIRECTIONS FOR USE

APPLICATION TEMPERATURE: +5°C to +45°C

Use only in well-ventilated areas. May cause an allergic skin reaction.

1. Joints must be clean & free from dust & grease. (Use IPA cleaner only)
2. Insert the sausage into a caulking gun & cut the nozzle at a 45° angle.
3. Hold the gun at a 45° angle & apply joint sealant.
4. Immediately after application, smooth the sealant with tool & remove excess with a wet cloth.

Note: Skin formation occurs within 5–10 minutes. Full cure of 6mm bead depth is reached in approximately 7 days.

Uncured product may be cleaned using an Isopropyl solvent. Avoid that soapy solution between the joint edges & sealant (to prevent adhesion loss).

HOW TO USE



1. SURFACE PREPARATION

Use a brush or other equipment to remove all dust and loose friable material before application.



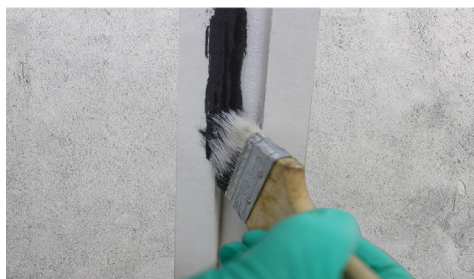
2. BACKING ROD

Insert the backing rod to the desired depth. The diameter of the backing rod should be 20–30% larger than the width of the joint.



3. MASKING THE APPLICATION JOINT

For a professional clean joint and to avoid excess sealant on the joint surround, use masking tape to control any excess material.



4. PRIMER APPLICATION

Sealant will adhere without primer however for optimum adhesion, joint durability and high performance, apply primer to the application area for best results.



5. APPLYING THE SEALANT

Fill the joint with sealant avoiding air entrapment. Remove excess material.



6. FINAL SURFACE TREATMENT

Remove masking tape before skin formation.



RESTRICTIONS FOR USE

- Do not apply to substrates with surface temperatures above +50°C or when ambient temperatures are below 5°C.
- Do not apply to surfaces that come into direct contact with food.
- Do not use for structural glazing applications.
- Not recommended for applications involving continuous water immersion. (Not suitable for under water applications)

SAFETY DIRECTIONS

Keep out of reach of children. Before operation, please carefully read the specifications of products and material, and instructions on the package of container. For more information about safety, please refer to the SDS.

SHELF LIFE

12 months when stored in original, unopened packaging. Keep out of direct sunlight & store in cool, well-ventilated environment between +5°C to +25°C.

DISCLAIMER

The details provided in this Technical Data Sheet (TDS) are based on ICCONS' knowledge at the time of publication. No warranty is given regarding specific product characteristics, and this document shall not be interpreted as forming a legally enforceable contract. It is supplied for guidance only concerning product selection, safe handling, application, storage, transportation, and disposal.

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