

Work Zone Thermoplastic Sealant

TECHNICAL DATA SHEET

1. PRODUCT NAME

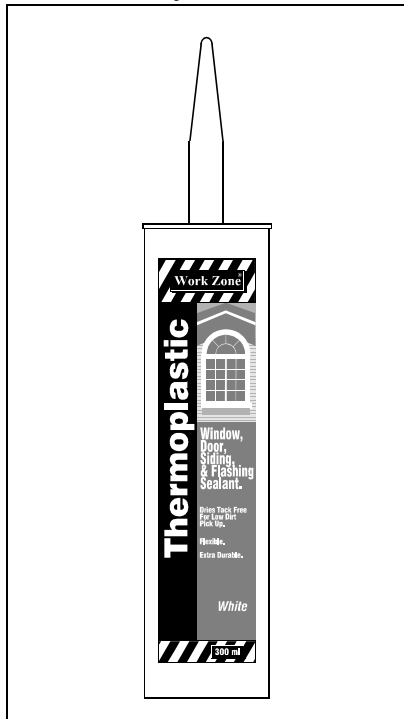
Work Zone Thermoplastic Sealant

2. MANUFACTURER

ICB Products,
75 Chambers Drive, Unit 9,
Ajax, Ontario, L1Z 1E1.
Phone: (905) 619-0115
FAX: (905) 619-6583

3. PRODUCT DESCRIPTION

Work Zone Thermoplastic Sealant is an exterior multi-purpose thermoplastic solvent based sealant designed to seal joints, cracks, and adjacent surfaces on exterior applications. It is long lasting, and forms a weatherproof & watertight seal that exhibits good long-term flexibility. The cured sealant has excellent resistance to weathering, ultra-violet rays, and extreme temperatures. Unlike many other solvent based sealants, it will not bleed onto adjacent surfaces, and



forms a smooth non-tacky skin which will not pick up dirt or dust. It is easy to apply, finger smoothable, and skins quickly while allowing for a good working time. It is paintable with latex paint after 24 hours.

Basic Use: Recommended to seal outdoor joints, cracks, and surfaces around windows, doors, siding, gutters, vents, and more. Also use it for standard and metal roofing applications, flashing, and more. Adheres to most common surfaces, including unpainted or painted aluminum, clean metal, vinyl siding or windows, concrete, masonry, glass, fiberglass, painted or stained wood and other painted surfaces, and more.

Composition and Materials: Work Zone Thermoplastic Sealant is a solvent & rubber based adhesive sealant.

Colours available: clear, white, gray (dover gray), almond, brown (chestnut brown/chocolate brown), black, commercial brown, pearl gray, ivory, sandalwood, canyon clay (prestige beige). Custom colors also available.

Sizes: 300 ml cartridges, 18.9 litre pails, and 200 litre drums.

Grade: gun grade, nonsagging.

Limitations: Not recommended for continuous water immersion, or where abrasion and physical abuse are encountered. Not for use on interior applications. Do not use in totally confined spaces without adequate ventilation due to solvent evaporation and possible buildup of harmful and flammable fumes. During application in cold weather, thermoplastic sealants of all types will stiffen and require increasing effort for extrusion. It is recommended that the sealant be kept in a warm area right until time of application. Before product

application, user should determine suitability of Thermoplastic Sealant for intended use.

4. TECHNICAL DATA

Applicable Standards: Work Zone Thermoplastic Sealant passes the performance requirements of the following specifications:

- CGSB 19-GP-5M. Canadian standard for acrylic in solvent.
- CGSB 19-GP-14M. Canadian standard for butyl sealants.
- CGSB CAN2-19.13-M87. Canadian standard for silicone sealants.
- CGSB CAN2-19.19-M90. Canadian standard for acrylic latex sealants.

Weight - 1.24 Kg/litre (10.31 Lb./gal.)

Shelf life - 1 year @20°C (68°F)

Skin Time

- 10 minutes @ 20°C (68°F)

- 5 minutes @ 35°C (95°F)

- 20 minutes @ 5°C (41°F)

Cure Time (service cure) - 24 hours @ 20°C (68°F)

Paintability - paintable with latex paint after 24 hours

Resistance to dirt pickup - Very good, cured sealant has extremely low surface tack

Flash point - 4.4°C (40°F)

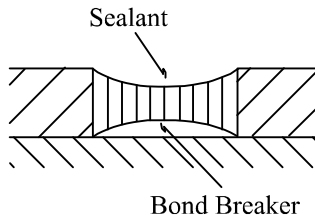
pH - not determined

Odour - moderate solvent smell

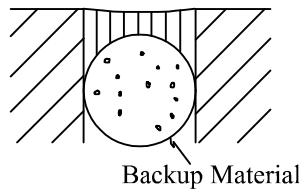
Freeze-thaw stability - stable

Storage temperature - unaffected by temperature, but storage between 10°C (50°F) and 30°C (86°F) is recommended for easier extrusion and optimum shelf life

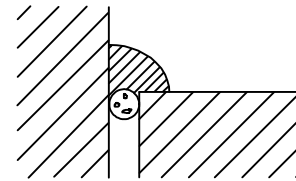
Recommended Methods of Application



Joint Over 9 mm (3/8")

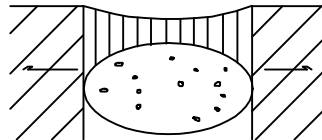


Joint Under 9 mm (3/8")

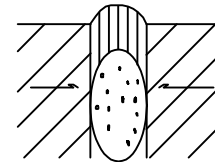


Corner Joint

Properly Applied
Sealant Under Stress



Maximum Extension



Maximum Compression

5. INSTALLATION

Joints: Maximum joint size recommended is 13mm (1/2").

Surface Preparation: Thoroughly clean and degrease all surfaces. Surfaces must be clean, dry, and free of grease, oil, peeling paint, silicone residue, and old caulking.

Joint Backing: Backer rods should be used in joints over 9mm (3/8"). Bond breaker tape should be used in shallower joints to prevent three sided adhesion.

Weather Considerations: May be applied at a wide range of temperatures, however for best results, apply when temperature is above 5°C (40°F). Do not apply if rain is expected within 24 hours. Sealant should be kept warm (above 10°C) immediately prior to application.

Cleanup: Use mineral spirits or toluene, if necessary, to clean tools and surfaces before Thermoplastic sealant cures. Great care should be taken when cleaning with solvents on painted, plastic, and vinyl surfaces, as the solvent may soften, remove, alter, or stain the surface finish.

6. AVAILABILITY AND COST

Marketed throughout Canada and some foreign countries. Work Zone Thermoplastic Sealant is sold through building supply, hardware, paint, and specialty distributors. Costs are available from local Work Zone distributors and representatives, or from company corporate offices.

7. WARRANTY

ICB Products warrants that Work Zone Thermoplastic Sealant is manufactured according to our published standards, and that it is free from defects. ICB Products will provide replacement for, or refund the purchase price of, that portion of material which proves defective. This constitutes the limit of ICB Products' liability and obligation. The company will not be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user must determine suitability of the product for intended use, and user assumes all risk and liability whatsoever in connection therewith.

8. MAINTENANCE

No maintenance is required for properly applied, cured product.

9. TECHNICAL SERVICES

Technical assistance is available from ICB Products corporate offices only. Information and testing results are guidelines only and not intended for preparing specifications.

10. FILING SYSTEMS

- Technical Data Sheet
- Product catalogues, brochures.
- Additional product information is available upon request.

11. COPYRIGHT

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