



# DSA20

## DRYWALL, CONSTRUCTION AND FRP ADHESIVE

### TECHNICAL DATA SHEET

#### PRODUCT DESCRIPTION:

**Miracle® DSA20** is a premium, mastic-type adhesive formulated for adhering drywall and FRP panels to studs and other common building materials. It can also be used for a variety of applications where a heavy bodied adhesive is essential. It can bond: paneling, wall fixtures, ceramic, tile, brick, wood strips and many other materials. There must be one porous surface.

#### ADVANTAGE:

- Quick Tack
- High Strength
- Permanently Flexible
- Exterior/ Interior Use
- Eliminates unattractive Nail Pops
- Freeze/ Thaw stable
- Meets ASTM C557 Specification for Fastening Gypsum Wallboard to Wood Framing

#### TYPICAL USES:

- FPR Panels
- Gypsum Board
- Drywall
- Paneling
- Stone
- Wood and Plywood
- Concrete
- Fiberglass

#### TYPICAL PROPERTIES:

Property	Typical Value
Base:	Synthetic Polymer
Solvent:	Organic Solvent
Shelf Life:	1 year from Date of Manufacture*
Colors:	Tan
Flash Point:	-9.4°F (-23°C)
Weight/ Gallon	9.4 lbs/ gallon
VOC Content	322.1 g/L (EPA Method 24)
Viscosity	300,000 – 337,500 cps
Open Time	20 minutes
Dry Time	24 - 48 hours
Solids	72.0% ± 3.0%
Coverage (pail)	Up to 55 sq. ft./ gal
Coverage (tube)	3/8" bead: 38 lineal ft./ gal
Formaldehyde	No urea formaldehyde added during adhesive manufacturing

\* The shelf life for an unopened container of this adhesive stored at temperatures between 60°F (15.6°C) and 95°F (35°C) is 1 year from date of manufacture. Store out of direct sunlight in a cool, well-ventilated area. Avoid storing container directly on the floor or against an outside wall

#### DIRECTIONS FOR USE:

- Use only after careful consideration of the warnings, directions, and first aid instructions given.
- Do not apply below 40°F (4°C).
- Do not thin adhesive.
- Store adhesive and building materials at room temperature at least 24 hours prior to installation.
- Do not store adhesive above 100°F (38°C)

#### SURFACE PREPARATION

- Surfaces to be bonded must be clean, dry and free of foreign material
- Suggested trowel sizes: V-notch trowels 3/16" wide x 3/16" deep x 5/16" apart or 1/4" wide x 1/4" deep x 3/4" apart.
- Cut and prefit panels. Lay panels flat and let them acclimate to room temperature.

#### APPLICATION USING PAIL

- Spread adhesive over entire back of Panel (100% coverage), using the recommended notched trowel
- Press firmly to keep area between ridges from accumulating adhesive.
- Immediately place panel against wall. Press and knead panels to ensure contact with the wall at all points.
- Install panel within 5 – 20 minutes after applying adhesive.
- Follow panel manufacturer's instructions for molding and mechanical fasteners. Do not fit panels tightly into moldings. Allow 1/16" in molding channels for expansion.
- Allow assembly to dry for 3 -4 days, depending on temperature and humidity, before subjecting to stresses.

#### APPLICATION USING TUBE

- Apply a continuous 3/8" bead to clean framing members. Where two boards butt on a framing member apply zigzag bead so adhesive will contact both boards. Use 1/8" bead on steel studs.
- Do not apply adhesive more than 20 minutes before installing gypsum wallboard.
- Do not use warped boards.
- Follow nailing schedule per Gypsum Association manual (GA-201-85).
- Walls: Place board on framing and press firmly into place. Use fasteners 16" on center around perimeter of board. No fasteners are required in the field of the board.
- Ceilings: Follow wall instructions except, in the field of the board use fasteners 24" on center.

#### LIMITATIONS:

Concrete must be dry, fully cured and free of hydrostatic pressure. Not recommended for bonding impervious surfaces to each other: must have one porous surface.

#### CLEAN UP:

When dry, mineral spirits may be used, exercising safe practices.

#### ATTENTION:

- Empty container remains hazardous until all flammable vapors, which may explode upon ignition, are gone from residue and container. Observe all labeled hazard precautions. Do not cut, puncture, or weld while hazard exists.
- Do not reuse empty container. Dispose of, according to all federal, state, and local regulations.

**KEEP OUT OF REACH OF CHILDREN  
FOR PROFESSIONAL OR INDUSTRIAL USE ONLY  
USE ONLY WITH APPROVED EQUIPMENT**

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