



Product Information

BDC 9265 "Red Putty"

Epoxy Novolac Paste

Description:

B.D. Classic's 9265 "Red Putty" is a high-build epoxy novolac paste made for extreme chemical resistance.

Advantages

- 100% solids
- Heavy viscosity
- Excellent chemical and solvent resistance
- Exceptional heat resistance
- No tendency to crystallize
- Provides high crosslink density
- Excellent high temperature performance
- Heavy build allows for creative sloping on irregular substrates

Uses

- High performance coatings
- Maintenance coatings
- Marine coatings
- Tank linings for metal and concrete
- Floorings

Installation

The following information is to be used as a guideline for the installation of the 9265 "Red Putty". Contact the Technical Service Department for assistance prior to application.

Surface Preparation - Concrete

Inspection

Concrete: Must be clean, dry, and free of grease, paint, oil, dust, curing agents, or any foreign material that will prevent proper adhesion. Concrete should be at least 2500 psi and feel like 30-grit sandpaper. The concrete should be porous and be able to absorb water. A minimum of 28 days cured is required on all concrete. Relative humidity in the concrete floor slab should be below 80% (per ASTM F-2170).

Concrete surfaces shall be bead blasted or diamond grinded to remove all surface contaminants and laitance. After initial preparation has occurred, inspect the concrete for imperfections and treat as necessary. Any high spots need to be ground smooth. For surface preparation recommendations, consult the Technical Service Department.

Metal: All existing rust or corrosion should be ground clean. Substrate must be clean, dry, and free of grease, paint, oil, dust, curing agents, or any foreign material that will prevent proper adhesion. Metal should be solvent wiped clean before application.

Failing to adhere to these strict guidelines can result in product delamination, discoloration, blistering, or all together failure of the coating system. Testing is the

responsibility of the applicator. B.D. Classic bears no responsibility for failures due to any of the above conditions.

Temperature

Do not apply at temperatures below 50°F or above 95°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrates should occur during the cooler season to decrease the chances of outgassing. The material should not be applied in direct sunlight, if possible.

Mixing and Application

Premix each component separately. Mix 1 part A Resin with 1 part B Hardener, by volume, into a clean container. Mix only enough product together that can be used within 15 minutes. (Generally 2 quarts is sufficient.) Mix thoroughly using a putty knife or hand trowel until product's color is uniform and streak-free. with a low speed (400-600 rpm) drill motor/jiffy mixer for 3-4 minutes. Make sure to scrape the sides and bottom of the container during mixing.

BDC 9265 "Red Putty" should be applied using a trowel or putty knife. Product can be applied up to 1/2" thick per coat. Product should be dry within 5hrs (depending upon temperature and thickness of application).

Application Equipment

Putty Knife

Use strong metal putty knife. Plastic knives will be inefficient mixing aides due to heavy viscosity of product.

Trowel

Use steel finishing trowel or epoxy mortar power trowel.

Cleanup

Clean up mixing and application equipment immediately after use. Use acetone or xylene. Observe all fire and health precautions when handling or storing solvents.

Safety

MSDS (Material Safety Data Sheets) must be read and understood by personnel responsible for supervision and installation of the B.D. Classic Materials. All applicable federal, state, local, and particular plant safety guidelines must be followed during the handling and installation and cure of these materials. Safe and proper disposal of excess materials shall be done in accordance with applicable federal, state, and local codes.

Material Storage

Store materials in a temperature controlled environment (50°F to 90°F) and out of direct sunlight. Keep resins, hardeners, and solvents separated from each other and away from sources of ignition. One year shelf life is expected for products stored between 50°F to 90°F.

Maintenance

BDC 9265 "Red Putty" should be inspected every 2-3 years and resealed as necessary.

Technical Data for Clear

CHEMICAL RESISTANCE	MONTHS TO FAILURE
SULFURIC ACID	
98%	> 12
HYDROCHLORIC ACID	
20%	> 12
36%	< 1
NITRIC ACID	
20%	> 12
CHROMIC ACID	
10%	< 3
PHOSPHORIC ACID	
30%	> 12
AMMONIA	
30%	> 12
ETHANOL,	
100%	> 12
METHANOL	10 days
CELLOSOLVE	> 12
ACETONE	> 12
MEK	10 days
TRICHLOROETHYLENE	< 1
TOLUENE	> 12
JP-4 JET FUEL	> 12
LACTIC ACID 10%	7 DAYS
ACETIC ACID 10%	< 24 HOURS

*Properties determined after 7 days cure at 25 C°

TYPICAL PHYSICAL PROPERTIES:

Mix Ratio (by volume)	1:1 (resin:hardener)
Drying Time (at 77°F)	5 hrs
Working Time (at 77°F)	15-20 min
VOC	0 g/l