



The Chemical Company

PRODUCT DATA

**Elastomeric  
Joint Sealant**

# DEGASEAL™ 22

Multi-purpose polyurethane adhesive/sealant

## Description

DegaSeal™ 22 is polyurethane-based one component, moisture-curing adhesive/sealant. It maintains permanent flexibility with high bond strength providing outstanding durability.

## Yield

A 300 mL cartridge seals 24 lineal feet in 1/4" by 1/4" (6 by 6 mm) joint

1 gallon seals 308 lineal feet in a 1/4" by 1/4" (6 by 6 mm) joint

## Packaging

300 mL cartridges, 12 cartridges per case

20 oz. sausages, 20 sausages per case

## Color

White, black and aluminum gray. For special orders of other colors, contact Customer Service.

## Features

- Permanently flexible, Class A sealant
- Paint compatibility
- Meets USDA requirements
- Primerless adhesion

## Benefits

- Long-life
- Can be painted
- Approved for incidental food contact and potable water
- Improves process/application time

## Shelf Life

Cartridges: 9 months when stored in unopened containers at 75° F (24° C) and 50% relative humidity.

Sausages: 6 months when stored in unopened containers at 75° F (24° C) and 50% relative humidity.

## Storage

Protect unopened containers from heat and direct sunshine. In cool or cold weather, store containers at room temperature for at least 24 hours before using.

## Where to Use

- Trailers
- Trucks
- Truck bodies
- Railcars
- Busses
- Utility vehicles
- Containers
- Marine
- RV
- Manufactured housing
- Horse trailers
- Emergency vehicles

## How to Apply

### Surface Preparation

1. Surfaces must be dry, clean, free of dirt, moisture, loose particles, oil, grease, asphalt, tar, paint, wax, rust, waterproofings or other contaminants.
2. On metal surfaces, remove scale, rust or other coatings to expose a bright white surface. Aluminum window frames are frequently coated with a clear lacquer that must be removed before the application of DegaSeal™ 22.
3. Clean concrete, stone and other masonry surfaces by grinding, sandblasting or wire brushing. Expose a sound surface free of contamination and laitance.
4. Wood surfaces must be clean and sound. Scrape away any paint to bare wood.

## Technical Data

### Composition

DegaSeal™ 22 is an all-purpose polyurethane adhesive/sealant.

### Compliances

- ASTM C 557-73
- Federal Specification TT-S-00230C, Type II, Class A
- ASTM C 920-87, Type S, Grade NS, Class 25, Use NT, M and A
- Chemically acceptable to the United States Department of Agriculture (USDA) for incidental food contact and potable water.

### Test Data

PROPERTY	RESULTS	TEST METHODS
<b>Base</b>	Synthetic rubber-resin	
<b>Viscosity</b> , poise	2,800 ± 500 (trowelable)	ASTM D 2393
<b>Application</b>	Caulking gun or power pump	
<b>Open time</b> , minutes	20 ± 5, depending on temperature and humidity	
<b>Density</b> , lbs per gallon	11.5 ± 0.1	ASTM D 1475
<b>Solids</b> , %	80 ± 2	ASTM D 1259
<b>Lap shear</b> , psi		
Wet lumber	225	ASTM D 1002
Dry lumber	250	ASTM D 1002
Plywood/concrete	140	ASTM D 1002
Plywood/drywall	160	ASTM D 1002
Plywood/aluminum	100	ASTM D 1002
<b>Service temperature range</b> , ° F (° C)	-40 to 200 (-40 to 93)	
<b>Extrudability</b> , seconds	2	ASTM C 603
<b>Rheology</b> , vertical sag, 120° F	No sag	ASTM C 639
<b>Tack-free time</b> , minutes	180 to 290	ASTM C 679
<b>Skin time</b> , minutes	120	Industry method
<b>Tensile strength</b> , psi	275 ± 25	ASTM D 412
<b>Elongation, at break</b> , %	900 ± 50	ASTM D 412
<b>Hardness</b> , Shore A	40 ± 5	ASTM C 661
<b>Movement capability</b> , %	± 25	ASTM C 719
<b>Bond durability</b> , %	± 25, no failures	ASTM C 719
Glass, aluminum, concrete		
<b>Accelerated weathering</b>	No elastomeric property change after 3000 hours	Atlas 6500 xenon arc model

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

### Application

1. DegaSeal™ 22 bonds well to a variety of substrates and is ideally suited for sealing interior/exterior joints, waterproofing overlap seams, sealing fascia and other structural components. DegaSeal™ 22 remains permanently elastic for superior sealing.
2. Surface temperatures above 40° F (4° C) are recommended. DegaSeal™ 22 can be applied below freezing temperatures only if substrates are completely dry, free of moisture and clean.
3. DegaSeal™ 22 comes ready to use. Do not open cartridges until preparatory work has been completed. Trim nozzle to desired size opening. Place cartridge in dispensing gun and puncture seal inside nozzle.
4. Fill joints from the deepest point to the surface by holding a properly sized nozzle against the back of the joint.
5. Dry tooling is recommended.

### Curing

16 hours: 100° F (38° C), 95% relative humidity  
1 day: 70° F (21° C), 55% relative humidity  
3 days: 40° F (4° C), 50% relative humidity  
Cure through times are based on a 1/4" (6 mm) diameter bead.

### Clean Up

Immediately after use, clean equipment with the appropriate solvent. Use proper precautions when handling solvents. Cured sealant can be removed by cutting with a sharp-edged tool; thin films by abrading.

### For Best Performance

- Do not apply over freshly treated wood; it must have weathered for at least 6 months.
- DegaSeal™ 22 should not come into contact with oil-based caulking, silicone sealants, polysulfides or fillers impregnated with oil, asphalt or tar.
- Do not use in joints deeper than 1/2".
- DegaSeal™ 22 is not recommended for continuous water immersion.
- Make certain the most current versions of product data sheet and MSDS are being used; call Customer Service (1-800-433-9517) to verify the most current version.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

### Health and Safety

DEGASEAL™ 22

#### Caution

DegaSeal™ 22 contains mineral spirits, calcium oxide, talc, calcium carbonate, titanium dioxide and silicon dioxide.

#### Risks

May cause skin, eye and respiratory irritation. May cause dermatitis and allergic responses. Potential skin and/or respiratory sensitizer. Ingestion may cause irritation. Reports associate repeated or prolonged occupational overexposure to solvents with permanent brain, nervous system, liver or kidney damage. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

#### Precautions

Use only with adequate ventilation. Prevent contact with skin, eyes and clothing. Wash thoroughly after handling. DO NOT take internally. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, state and local regulations.

#### First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. SEEK IMMEDIATE MEDICAL ATTENTION. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists, or any breathing difficulty occurs or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION.

Refer to the Material Safety Data Sheet (MSDS) for further information.

#### Proposition 65

This product contains material listed by the State of California as known to cause cancer, birth defects or other reproductive harm.

#### VOC Content

100 – 112 g/L or 0.84 – 0.94 lbs/gal, less water and exempt solvents.

**For medical emergencies only,  
call ChemTrec (1-800-424-9300).**

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**BASF Building Systems**

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**Customer Service** 800-433-9517  
**Technical Service** 800-243-6739

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