



**american coating technologies**  
www.amcoating.com

# Product Technical Data

## AM 928HV Chemical Vertical Joint Sealant

### Product Description

AM 928HV is a two component 100% solids flexible sealant paste (novolac/urethane hybrid) designed for applications where a resilient flexible non-sag material is needed. This product is available in a lower viscosity version that is more suitable for horizontal applications. NP928HV is an excellent choice for vertical expansion joint applications. This product has excellent chemical resistance and provides exceptional adhesion characteristics. The standard material is supplied with black and white components so proper mixing can be easily observed.

#### Solids By Weight:

100%

#### Volatile Organic Content:

Zero pounds per gallon

#### Colors Available:

Gray (mixed) Part A is white and Part B is black

#### Recommended Thickness:

Variable (between 1/2" and 1 1/2")

#### Coverage Per Kit:

1 1/4 gallon kit @ 1/2" by 1.0" yields 45-50 lineal feet.

#### Packaging

1 1/4 gallon kit .16 (approx)  
\*1 1/4 gallon kit= 8.9#/gallon (.95-1.0 gallon net) part A and 2.1#/quart (.24-.25 gallon net) part B. (volumes and weights approximate)

#### Mix Ratio:

4 to 1 by volume (8.9# part A to 2.1# part B)

#### Shelf Life:

6 months in unopened containers

#### Flexural Strength:

2,400 psi (ASTM D-790)

#### Tensile Strength:

3,400 psi (ASTM D-412)

#### Elongation at Break:

43.4% at 70 degrees F (ASTM D-412)

#### Impact Resistance:

Excellent

#### Abrasion Resistance:

31.324.2 mg loss with a 1000 gram total load at 1000 revolutions with a CS10 wheel

#### Product Type:

Novolac epoxy/urethane hybrid

#### Shore Hardness:

Shore A= 80, shore D= 53

#### Adhesion:

380 psi (elcometer)- no delamination/concrete failure

#### Viscosity:

Mixed= 850,000 to 1,350,000 cps (typical)

#### Dot Classification:

Part A "not regulated"  
Part B "CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII"

#### Cure Schedule: (70°F)

Pot life – 1 1/4 gallon mix	15-25 minutes
Recoat or topcoat	8-12 hours
Light industrial use	24-36 hours
Full cure (heavy traffic)	2-7 days

#### Application Temperature:

Above 60 degrees F

#### Chemical Resistance:

Reagent	Rating
Xylene	D
1,1,1 trichloroethane	C
MEK	A
Methanol	B
Ethyl alcohol	C
Skydrol	C
10% sodium hydroxide	D
50% sodium hydroxide	D

### Recommended For

Recommended for expansion joints in vertical structures, vertical and overhead repairs and any other non-sag vertical application repairs of joints or cracks in concrete or masonry surfaces.

### Not Recommended For

Not recommended for applications for all acids and chemicals.

10% sulfuric acid	D
70% sulfuric acid	B
10% HC1 (aq)	D
5% acetic acid	D

A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion. NOTE: extensive chemical resistance information is available through your sales representative.

#### Primer:

None required

#### Topcoat:

None required. Many epoxies and urethane are compatible.

#### Limitations:

Color stability may be affected by environmental conditions such as high humidity, chemical exposure or exposure to certain types of lighting such as sodium vapor lights or UV light sources.

Colors may vary from batch to batch. Gray color is not from our standard color chart.

Substrate temperature must be 5°F above dew point.

All new concrete must be cured for at least 30 days prior to application.

This product must be mixed very well before using.

See reverse side for application instructions.

Test data based on neat resin.

Physical properties are typical values and not specifications.

See reverse side for limitations of our liability and warranty.

## NP928HV Instructions:

- 1) **PRODUCT STORAGE:** Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 50-90°F. Avoid low temperatures and large temperature fluctuations in storage as these conditions could cause possible product crystallization.
- 2) **SURFACE PREPARATION:** All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. We recommend that all loose concrete, previous patching compound or other foreign material be removed to leave a clean sound joint or repair area. For best results, when the depth of the repair area permits, a backer rod should be used to reduce the depth of the repair area. If the repair is too deep to prevent sag or slump, apply the material in multiple coats. For vertical surfaces, a lower viscosity version of this product is available.
- 3) **PRODUCT:** This product has a mix ratio of 1 part A (10.5#/ gallon) to 1 part B (9.3#/gallon by volume. To mix, simply measure out equal volumes of the material and mix them together thoroughly with slow speed mixing equipment such as a jiffy mixer, putty knife or spatula until the material is thoroughly mixed and uniform in color. Mix only an amount of material that can be used in the allotted pot life period. Improper mixing may result in product failure.
- 4) **PRIMING:** No priming is necessary.
- 5) **PRODUCT APPLICATION:** The mixed material can be applied by marginal trowel, putty knife or any other suitable equipment.
- 6) **RECOAT OR TOPCOATING:** Allow the material to cure before installing the coating. If excessive amounts are spread well beyond the crack repair or in areas where surface repairs have been implemented, it is best to check the cured areas for any possible amine blush (a whitish, greasy film or deglossing) prior to coating over this material. If a blush is present, it can be removed by any standard type detergent cleaner prior to topcoating or recoating. Many epoxy coatings and urethanes are compatible for use over this product as well as multiple coats of this product.
- 7) **CLEANUP:** Use xylol
- 8) **FLOOR CLEANING:** Caution! Some cleaners may affect the color of the fast set gel installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.
- 9) **RESTRICTIONS:** Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

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### NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

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We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications.

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