

March 19, 1974
Supersedes Formula BR-993
Dated 3/12/74

PLAINTIFF'S EXHIBIT

GP-445

BLUE RAPIDS, KANSAS, PLANT FORMULA
SPEED SET JOINT COMPOUND WHITE BR-993

DESCRIPTION OF PRODUCT - For use in reinforcing and concealing joints and nailheads. Supplied as a 1 hour working or a 2 hour working product.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Methocel 228	Water retention	170	.20	6.0
Vancide	Fungicide	126	.10	3.0
Gelvitol 6000	Adhesive	162	1.50	45.0
Attagel 40	Bulking agent	8	5.50	165.0
Mica P80-H	Anti-cracking agent	11	8.00	240.0
Defoamer Mill	Anti-foaming agent	--	.10	3.0
Denscal	Plaster	--	78.79	2363.7
Potash (-100 mesh K ₂ SO ₄)	Accelerator	--	.75	22.5
*Com. Retarder	Retarder	--	.06	1.8
T.P. Blend Talc	Slip Agent	--	5.00	150.0
			100.00	3000.0

*(1 hour working) Adjust quantity according to set time requirements.
Increase amounts for longer working formulas.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

SETTING TIME
Specifications - Refer to Plant Testing Procedure No. 6 (slow set)
Setting time should be approximately 30 mins.
more than working time (Minimum 1/4 hr.;
Maximum 3/4 hr.)

WORKING PROPERTIES
Specifications - Refer to Plant Testing Procedure No. 33.
Must be plastic and buttery working; free of
grit or coarse particles.

BONDING PROPERTIES
Specifications - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE
Specifications - Refer to Plant Testing Procedure No. 37.
There shall be no large fissure cracks in the
wedge and very few, if any, cracks in the thinner
half of the wedge.

WNG:jg

SGP 0018394

January 27, 1976
Supersedes Formula BR-993
Dated: 3/12/74

BLUE RAPIDS, KANSAS, PLANT FORMULA
SPEED SET JOINT COMPOUND WHITE BR-993

DESCRIPTION OF PRODUCT - For use in reinforcing and concealing joints and nailheads. Supplied as a 1 hour working or a 2 hour working product.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Sorbitol	Borax Stabilizer	-	.30	9.0
Methocel 228	Water retention	170	.20	6.0
Vancide	Fungicide	126	.10	3.0
Gelvitol 6000	Adhesive	162	1.50	45.0
Attagel 40	Bulking agent	8	5.50	165.0
Mica P80-H	Anti-cracking agent	11	8.00	240.0
Defoamer Mill	Anti-foaming agent	--	.10	3.0
Denscal	Plaster	--	78.49	2354.7
Potash (-100 mesh K ₂ SO ₄)	Accelerator	--	.75	22.5
*Com. Retarder	Retarder	--	.06	1.8
T.P. Blend Talc	Slip Agent	--	5.00	150.0
			100.00	3000.0

*(1 hour working) Adjust quantity according to set time requirements. Increase amounts for longer working formulas.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

SETTING TIME - Refer to Plant Testing Procedure No. 6 (slow set)
Specifications Setting time should be approximately 30 mins.
more than working time (Minimum 1/4 hr.;
Maximum 3/4 hr.)

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications Must be plastic and buttery working; free of
grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - Refer to Plant Testing Procedure No. 37.
Specifications There shall be no large fissure cracks in the
wedge and very few, if any, cracks in the thinner
half of the wedge.

WNG:jg

April 10, 1979

Supersedes Formula BR-993

Dated: 01/27/79

BLUE RAPIDS, KANSAS, PLANT FORMULA
SPEED SET JOINT COMPOUND WHITE BR-993

DESCRIPTION OF PRODUCT - For use in reinforcing and concealing joints and nailheads. Supplied as a 1 hour working or a 2 hour working product.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Sorbitol	Borax Stabilizer	-	.30	9.0
Methocel 228	Water retention	170	.20	6.0
Vancide	Fungicide	126	.10	3.0
Gelvitol 6000	Adhesive	162	1.50	45.0
Attagel 40	Bulking agent	8	5.50	165.0
Mica P80-H	Anti-cracking agent	11	8.00	240.0
Defoamer Mill	Anti-foaming agent	--	.10	3.0
* Denscal (BR700)	Plaster	--	78.49	2354.7
Potash (-100 mesh K ₂ SO ₄)	Accelerator	--	.75	22.5
** Com. Retarder	Retarder	--	.06	1.8
T.P. Blend Talc	Slip Agent	--	5.00	150.0
* Denscal made in Densite plant may be substituted.			100.00	3000.0

** (1 hour working) Adjust quantity according to set time requirements. Increase amounts for longer working formulas.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

SETTING TIME
Specifications - Refer to Plant Testing Procedure No. 6 (slow set) Setting time should be approximately 30 mins. more than working time (Minimum 1/4 hr.; Maximum 3/4 hr.)

WORKING PROPERTIES
Specifications - Refer to Plant Testing Procedure No. 33. Must be plastic and buttery working; free of grit or coarse particles.

BONDING PROPERTIES
Specifications - Refer to Plant Testing Procedure No. 35. After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE
Specifications - Refer to Plant Testing Procedure No. 37. There shall be no large fissure cracks in the wedge and very few, if any, cracks in the thinner half of the wedge.

GWG:ps

SGP 0018396

April 13, 1979
Supersedes Formula BR-993
Dated: April 10, 1979

BLUE RAPIDS, KANSAS, PLANT FORMULA
SPEED SET JOINT COMPOUND WHITE BR-993

DESCRIPTION OF PRODUCT - For use in reinforcing and concealing joints and nailheads. Supplied as a 1 hour working or a 2 hour working product.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Sorbitol	Borax Stabilizer	-	.30	9.0
Methocel 228	Water retention	170	.20	6.0
Vancide	Fungicide	126	.10	3.0
Gelvitol 6000	Adhesive	162	1.50	45.0
Attagel 40	Bulking agent	8	5.50	165.0
Mica P80-H	Anti-cracking agent	11	8.00	240.0
Defoamer Mill	Anti-foaming agent	--	.10	3.0
-/ Denscal (BR801)	Plaster	--	78.49	2354.7
Potash (-100 mesh K ₂ SO ₄)	Accelerator	--	.75	22.5
*Com. Retarder	Retarder	--	.06	1.8
T.P. Blend Talc	Slip Agent	--	5.00	150.0
			100.00	3000.0

*(1 hour working) Adjust quantity according to set time requirements. Increase amounts for longer working formulas.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	58	52	55

SETTING TIME
Specifications - Refer to Plant Testing Procedure No. 6 (slow set)
Setting time should be approximately 30 mins.
more than working time (Minimum 1/4 hr.;
Maximum 3/4 hr.)

WORKING PROPERTIES
Specifications - Refer to Plant Testing Procedure No. 33.
Must be plastic and buttery working; free of
grit or coarse particles.

BONDING PROPERTIES
Specifications - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE
Specifications - Refer to Plant Testing Procedure No. 37.
There shall be no large fissure cracks in the
wedge and very few, if any, cracks in the thinner
half of the wedge.

GWG:ps

SGP 0018397

#132

**BLUE RAPIDS FORMULA #993
ASBESTOS CONTAINING PRODUCTS**