UNION CARBIDE

INTERNAL CORRESPONDENCE

PLAINTIFF'S EXHIBIT UC-1000

322 : Type Smit Compounds

CHEMICALS AND PLASTICS • P. O. BOX 8361, SOUTH CHARLESTON, WEST VIRGINIA 25303

To (Name) Mr. Michel Belanger
Division
Location Union Carbide Canada

Copy to Mr. C. H. Carder
Mr. J. P. Carolan
Dr. D. L. MacPeek
Mr. H. Mayfield

Date October 18, 1977

Originating Dept R/D

Subject Asbestos-Free TJC Formulations

Received
OCT 21 1977
D. L. MacPEEK

Dear Mickel:

Enclosed are several asbestos-free TJC formulations from a recent study at the Tech Center. These formulations, along with those provided over the telephone, should help your customer develop a suitable TJC composition.

Ammonium hydroxide is commonly used in our laboratory to speed hydration of the cellulosic thickener. A manufacturer may prefer to use another basic substance such as potassium carbonate. In any event, the thickener should be dispersed in the batch water before the base is added.

Our studies have shown that using a dispersant gives improved performance; however, many manufacturers do not use them. Changes in the formulation such as glycols or preservatives can be made without problems.

I hope this information will be of benefit to you.

Sincerely yours,

Dale

W. D. Massey

WDM:mcb

Enclosure

423388

Published by AsbestosClaims.Law
asbestosclaims.law/library/16194/1

TJC FORMULATION 7WDM6

Ingredients	Parts by Weight
Water	464.0
Hexylene Glycol	20.0
CELLOSIZE MS 52,000	8.0
Ammonium Hydroxide	2.0
UCAR 131	120.0
Daxad 30	16.0
Limestone #9 White	800.0
Mica 4K	90.0
Nytal 300	200.0
Imvite IGBA Clay	20.0
Dowicil 75	2.0

Properties	
Workability	9
Viscosity	490 B.U.
Total Solids	68.3%
R. T. Adhesion	98%
L. T. Adhesion	67%
Crack Resistance	66%

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TJC FORMULATION 7WDM38

Ingredients	Parts by Weight
Water	386.0
Heyxylene Glycol	20.0
MS 52000	7.2
Ammonium Hydroxide	2.0
UCAR 131	107.0
Daxad 30	14.0
Limestone #9 White	800.0
Windsor TC-100	200.0
Dowicil 75	1.0

Properties	
Workability	10
Viscosity	440 B.U.
Total Solids	70%
R. T. Adhesion	85%
L. T. Adhesion	37%
Crack Resistance	65%

A2339C

TJC FORMULATION 7WDM15

Ingredients	Parts by Weight
Water	473.0
Hexylene Glycol	20.0
CELLOSIZE® QP-52,000	8.0
Ammonium Hydroxide	2.0
UCAR® 131	117.0
Limestone #9 White	800.0
Mica P-80-F	90.0
Talc TC-100	200.0
Dowicil 75	2.0

Properties	
Workability	8
Viscosity	555 B.U.
Total Solids	68.3%
R. T. Adhesion	100%
L. T. Adhesion	30%
Crack Resistance	84%

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TJC FORMULATION 7WDM41

Ingredients	Parts by Weight
Water	371.0
CARBOWAX® 200	20.0
MS 52,000	6.6
Ammonium Hydroxide	2.0
UCAR® 131	98.0
Daxad 30	13.0
Limestone #9 White	800.0
Mica 4K	90.0
Imvite IGBA Clay	20.0
Dowicil 75	1.0

Properties	
Workability	10
Viscosity	545 B.U.
Total Solids	68.9%
R. T. Adhesion	90%
L. T. Adhesion	50%
Crack Resistance	78%

A23392