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SKID TEST REPORT

Of

STEEL TRENCH PLATES TREATED

With

A WATER BASED SKID RESISTANT COATING

REQUESTED BY MR. CHIP VAN ABEL

For

RPM INC, RAYNER PROTECTIVE MATERIALS

9390 ELDER CREEK ROAD

SACRAMENTO, CALIFORNIA 95829

DATE OF TESTS JULY 24,2002

DATE OF REPORT JULY 29, 2002

SKID TEST REPORT OF TRENCH PLATES TREATED WITH A WATER BASED SKID RESISTANT COATING FOR RPM, INC.
JULY 29,2002

INTRODUCTION

This report has been prepared at the request of Mr. Chip Van Abel of RPM, Inc. and summarizes the skid test results performed on steel trench plates treated with water based skid resistant coatings. The steel plates were prepared by RPM, Inc and transported to 13217 Laureldale Avenue in Downey, California where the testing was performed. The coatings on each of the plates was different as to rate of application, gradation of aggregate, method of application, age and use history. Some had very limited curing time as opposed to others which had substantial curing time since application.

INTENT

. The purpose of the study is to provide information which will lead to the optimum application rate and method and optimum aggregate gradation to produce a durable skid resistant surface with friction factor 0.35 or greater as measured by California Test Method 342.

PUBLIC AGENCY SPECIFICATIONS

. Trench plates used in the City of Los Angeles and on any project requiring an encroachment permit from the Department of Transportation, State of California are required to provide and maintain a skid resistant surface with a friction factor of 0.35 or greater as determined by California Test Method 342.

THE SKIDTEST MACHINE

The skid test machine used by Skidtest Enterprises for these tests was built in accordance with the plans and specifications developed by the MATERIALS AND RESEARCH DEPARTMENT, State of California, Division of Highways dated 09-30-1960 and revised 03-17-67. (Only the speedometer was changed, instead of a dial indicator the subject machine has a digital readout speedometer.)

Trench Plate ——Identification TP3

Description: The coating was grey in color with some rust colored spots showing. The friction surface was uniform

Application rate: 125 square feet per gallon. A single coat application.

Readings: .36, .36, .35

Test Result: .36

Comments: This plate has a coating which meets the required friction factor requirement of .35 but does not leave much room for a reduction due to wear.

Trench plate ——Identification TP4

Description: This coating was dark in color ,uniform and appears dense and thick.

Application rate: 30 square feet per gallon.

Readings: .37, .37, .36

Test Result: .37

Comments: This plate has a coating which meets the required friction factor requirements.

Skidtest Enterprises appreciates the opportunity to provide these testing services. If there are any questions concerning the data or interpretation of this report please call our office.

Respectfully submitted,
Skidtest Enterprises, Inc.

Leslie R Bergquist
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