

UKRAINE
THE OPEN STOCK COMPANY "UKRMONTAZH CHIMZASHITA"
BUILDING LABORATORY OF PROTECTIVE COATINGS
Accreditation certificate #ПЧ-037 2004 from 8.04.2004

Protocol #15
Testing of the protective coating "FLEXIGUM"
received from the company "Bitum Ltd"
for resistance to aggressive media

RESULTS OF TESTING

Tests were conducted of the resistance of samples of the protective coating "FLEXIGUM" to the static attack of aggressive liquids in a 5% solution of sodium sulfate with a pH of 7.0-7.5; a 5% aqueous solution of hydrogen sulfate and a 2% solution of calcium hypochlorite at a temperature of $30 \pm 2^\circ\text{C}$ for 360 hours in accordance with the requirements of GOST 9.030-74 "Rubbers. Methods of testing resistance to attack by liquid aggressive media in a stressed state".

The results of the tests are listed in the table 1:

Table 1

Aggressive medium	Change in sample mass, %
1. Na_2SO_4 (5%)	5.72
2. H_2S (5%)	7.34
3. $\text{Ca}(\text{ClO})_2$ (2%)	4.25

Note: The test results pertain only to the samples submitted for testing.

CONCLUSION: 1. The protective coating "FLEXIGUM" received from the company "Bitum Ltd" is resistant to the attack of a 5% aqueous solution of sodium sulfate with a pH of 7.0-7.5; a 5% aqueous solution of hydrogen sulfate and a 2% aqueous solution of calcium hypochlorite at a temperature of $30 \pm 2^\circ\text{C}$.

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