	Test Center of building materials and products of State Enterprise Ukrainian Research and Design Institute for building materials and products 68, Kostiantynivska street, Kyiv, 04080	**Pages in total 2** **Page 1** 2T204 State Standard of Ukraine (DSTU) ISO/IEC 17025:2006

APPROVED BY:
Head of the Test Center of building materials
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/signature/ O.O.Palienko
11/09/2013

SEAL: FOR TECHNICAL DOCUMENTATION/
State Enterprise Ukrainian Research and Design
Institute for building materials and products (RDIBMP)

PROTOCOL No.53-13/20
on the results of tests of Merolith D10 (D10f) protective acrylic coating of Graf Group LLC production

SERVICE PROVIDER: Test Center of building materials and products of State Enterprise "Ukrainian Research and Design Institute for building materials and products"
Accreditation certificate No.2T204 dated 02/06/2011
issued by the National Accreditation Agency of Ukraine

CUSTOMER: Graf Group LLC, 4 “g”-83, Kondratiuka street, Kyiv city, 04201 in accordance with the Contract No.284.13

1. Date of samples receipt: 05/08/2013. Samples are provided by GRAF GROUP LLC
2. Date of test: 06/08-11/09/2013
3. Tests were carried out in accordance with the next regulatory documents: DSTU B.V.2.7.-233:2010 “Building materials. Modified liquid building mixtures. General technical specifications”; DSTU B.V.2.7-126:2011 “Building materials. Modified dry building mixtures. General technical specifications”; DSTU B.V.2.7-48-96 (GOST 10060.1-95) “Building materials. Concretes. Basic (first) method of freeze resistance determination”.
4. Name and basic characteristics of test equipment and measuring instruments are provided in Table 1.

Table 1

Name of the test and normative documents on tests methods	Name of TE and MI, type, model	Manuf. No. or ser. No.	Basic characteristics, accuracy	Attestation information
1	2	3	4	5
A. Test equipment				
1. Freeze resistance determination according to the DSTU B.V.2.7.-233:2010 (par.10.7); DSTU B.V.2.7-126:2011 (par.11.2.20); DSTU B.V.2.7-48-96 (GOST 10060.1-95) (par.4)	Freezing chamber ШМ-0.36	Manuf. No. 48	Dimensions 645x705x1800 mm Volume of freezing chamber is not less than 0.3 mm	Ukrmetteststandart certificate No. 24-2/1079 dated 05/04/2013 valid till 05/04/2014
B. Measuring instruments				
Freeze resistance determination according to the DSTU B.V.2.7.-233:2010 (par.10.7); DSTU B.V.2.7-126:2011 (par.11.2.20); DSTU B.V.2.7-48-96 (GOST 10060.1-95) (par.4)	Electronic scales A-6000	Manuf. No. 453	Weighing range from 0.5 g to 6 kg Deviation ± 0.1kg Class 4	Ukrmetteststandart certificate No. 35-2/1341433 dated 05/08/2013 valid till 05/08/2014

5. Conditions of tests carrying out:
   - temperature, °C 22 ± 4
   - atmospheric pressure, Mmhg 745 ± 5
   - relative humidity, % 55 ± 5
6. Samples behavior during the tests: no deviations were registered.
7. Physical and technical indicators of coating are provided in Table 2.

Table 2

Name of the indicator	Parag. of DSTU B.V.2.7-233:2010	Requirements of DSTU B.V.2.7-233:2010 to the ФС subgroup	Actual value of Merolith D10 (D10f) protective acrylic coating
1. Freeze resistance, cycles	par. 4.4 of table 7	not less than 540	samples stand more than 100 cycles without formation of delaminations or another damages

Note. Name and model of presented product for test are declared by the CUSTOMER. SERVICE PROVIDER doesn’t identify the samples.

Date of protocol execution: 11/09/2013

Acting chief of laboratory of polymeric coating and heat-insulating materials of SE RDIBMP /signature/ S.Yu. Natsievskyi

Notes:
1. Test protocol is relevant only to the tested samples.
2. Full or partial copying of protocol without TC SE RDIBMP is forbidden.