



Service specifications Release: 2019-07-01

Our service specification encompasses our scope of testing, divided into the following departments:
analytics, testing of coating materials, testing technology and application technology.

We calculate all further activities (consulting etc.) with our

Hourly rates: Management, laboratory management	150,00 €
Dipl.-Ing.	120,00 €
Building material tester/laboratory technician	100,00 €

Travel times to objects are charged at our hourly rates.
The kilometre rate is 0,50 €/km.

We adjust the price for your test report individually according to your offer.

Tests are made according to the specified standards, with current valid status, or after consultation.

For initial consultance, please contact:

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You can find out more about us on our website <http://www.dr-rmi.de>



Testing in the field of analytics	Accredited Testing	Standard	Remark	Price excl. VAT
Chromate content	---	DIN EN 196-10		90 €
HBCD determination (flame retardants in insulating materials)	---			300 €
Solid content	yes	DIN EN ISO 3251		40 €
Flash point	yes	DIN EN ISO 1523 DIN EN ISO 13736		195 €
Fogging active substances	---	On the basis of DIN 75201		360 €
Formaldehyde content / free formaldehyde (photometry)	yes	VdL-Richtlinie 03		80 €
Formaldehyde content / total formaldehyde (photometry)	yes	VdL-Richtlinie 03		85 €
FT-IR spectroscopy without preparation	yes			135 €
FT-IR spectroscopy with preparation	yes			210 €
GC/MS analysis	---			on request
Loss on ignition, water of hydration and ash content	yes			60 €
HPLC analysis isothiazolinones	yes			470,00 €
HPLC analysis of liquid samples (preservatives, film protection agents)	---		Industry-standard fungicidal and algicidal active ingredients mentioned in the offer	ab 520 €
HPLC analysis of solids/extraction (preservatives, film protection agents)	---		Industry-standard fungicidal and algicidal active ingredients mentioned in the offer	ab 645 €



Testing in the field of analytics	Accredited Testing	Standard	Remark	Price excl. VAT
HPLC analysis with solid phase extraction SPE (preservatives)	---		Industry-standard fungicidal and algicidal active ingredients mentioned in the offer	from 765 €
Leaching / laboratory test for the leaching of substances from coatings by LC/MS/MS	---	DIN EN 16105	3 periods	1.825 €
			6 periods	3.355 €
			9 periods	4.890 €
			Preparation of detailed test report	400 €
Identification of the film preservatives carbendazim, dichlorooctylisothiazolinone, diuron, irgarol, 3-iodo-2-propynylbutylcarbamate (IPBC), isoproturon, octylisothiazolinone, terbutryn, thiabendazole in water samples by LC/MS/MS	---	On the basis of DIN 38407-36	Industry-standard fungicidal and algicidal active ingredients mentioned in the offer	1 sample 170 € from 5 samples 150 €/ sample
Identification of the in-can preservatives methylisothiazolinone, benzisothiazolinone and chloromethylisothiazolinone in water samples by LC/MS/MS	---	On the basis of DIN 38407-36	Industry-standard fungicidal and algicidal active ingredients mentioned in the offer	1 sample 170 € from 5 samples 150 €/ sample
Microscopic examination (e.g. measurement of layer thickness)	yes			from 130 € depending on workload



Testing in the field of analytics	Accredited Testing	Standard	Remark	Price excl. VAT
Emission test chamber method including evaluation of test results according to the AgBB scheme (VOC, SVOC and aldehydes)	Yes, except DIN ISO 16000-3:2013-01	DIN EN 16516:2018-01	Multiple determination per sample after 3, 7 and 28 days	1 sample 2.300 €
		DIN EN 16402:2017-10		2-4 samples 2.150 €/sample
		DIN EN ISO 16000-9:2008-04	Preparation of a test report according to AgBB scheme	from 5 samples 2.050 €/sample
		DIN ISO 16000-6 :2012-11		400 €
		DIN ISO 16000-3:2013-01	Preparation of a test report according to AgBB scheme and French evaluation scheme Décret n° 2011-321	500 €
pH value	---	DIN 55659-1	Graduated prices	1 sample 30 € from 2. samples 15 €/sample
X-ray fluorescence analysis/ XRF (qualitative)	---			105 €
Salt content (damaging salts sulfate, chloride, nitrate)	---			70 €
Acid number	---	On the basis of DIN EN ISO 2144		240 €
Thermal gravimetric analysis (TGA/DSC)	---	DIN 51006		105 €
VOC content (in-can) for water-thinnable emulsion paints	yes	DIN EN ISO 17895		360 €
VOC content (in-can) in coating materials	yes	DIN EN ISO 17895		360 €
VOC content (difference method)		On the basis of DIN EN ISO 11890-1		120 €
VOC content (gas chromatography)	yes	DIN EN ISO 11890-2		on request



Testing in the field of analytics	Accredited Testing	Standard	Remark	Price excl. VAT
SVOC content (in-can)	yes	On the basis of DIN EN ISO 11890-2		205 €
wet-chemical analysis (solid content, loss on ignition, fillers, pigments)	---			on request
Karl Fischer titration/ coulometry (determination of water content)	---			50 €



Tests in the field of testing technology of coating materials	Accredited Testing	Standard	Remark	Price excl. VAT
Resistance to liquids	---	DIN EN 2812-3		325 €
Hiding power incl. density (for one spreading rate)	yes	On the basis of DIN EN ISO 6504-3 VdL Richtlinie 09	including classification according to DIN EN 13300	170 €
Hiding power (additional spreading rate)	yes	On the basis of DIN EN ISO 6504-3:2007-05 VdL Richtlinie 9	including classification according to DIN EN 13300	55 €
Density	yes	DIN EN ISO 2811-3		50 €
Gloss value	yes	DIN EN ISO 2813		55 €
Color distance	---	DIN EN ISO 11664-4		115 €
Fineness of grind	---	DIN EN ISO 1524		75 €
Contact angle	---	DIN EN 828		350 €
Minimum film-forming temperature (MFFT)	---	DIN ISO 2115		280 €
Wet scrub resistance	yes	DIN EN ISO 11998	including classification according to DIN EN 13300	195 €
Film thickness	yes	DIN EN ISO 2808		85 €
Resistance to abrasion (Taber-Test)	---	DIN EN ISO 7784-2		220 €
Dry-film thickness	---	DIN EN ISO 2811-1 DIN EN ISO 2811-3 DIN EN ISO 11998 DIN EN 1062-1		105 €



Tests in the field of testing technology of coating materials	Accredited Testing	Standard	Remark	Price excl. VAT
Water-vapour transmission properties (s _d -value)	yes	EN ISO 7783	including classification according to DIN EN 1062-1	410 €
Liquid water permeability (w-value)	yes	DIN EN ISO 1062-3	including classification according to DIN EN 1062-1	460 €



Tests in department testing technology and application technology	Accredited Testing	Standard	Note	Price excl. VAT
Bending moment façade systems (three-point)		DIN 18516		130 €
Determination of bending behaviour Thermal insulating		DIN EN 12089		130 €
Determination of resistance to humidity		DIN ISO 6270-1 DIN ISO 6270-2	without grid cut, degree of bubbles, flaking and cracking 240 h	180 €
Determination of carbonation depth in hardened concrete by the phenolphthalein method		DIN EN 14630		60 €
Pull-through test of fixings through insulation material		ETAG 004	5-times determination	400 €
Plate stiffness from plastic anchors (supporting ring Ø 30 mm)		ETAG 014	5-times determination	260 €
Determination of the resistance to penetration of ETICS		DIN EN 13498		130 €
Determination of modulus of elasticity in compression		DIN EN 13412		205 €
Pull-through resistance of fastening points on façade panels		DIN 18516		190 €
Determination of flexural strength		DIN EN 1015-11		130 €
Determination of compressive strength		DIN EN 1015-11		75 €
Determination of compression behaviour, Thermal insulation		DIN EN 826		130 €
Measurement of bond strength by pull-off, Ø 50 mm	yes	DIN EN 1542 ETAG 004	without sample preparation	355 €
Tensile bond strength 200 mm x 200 mm, optional 100 mm x 100 mm, 60 mm x 60 mm and 50 mm x 50 mm	yes	DIN EN 13494 ETAG 004	without sample preparation	355 €



Tests in department testing technology and application technology	Accredited Testing	Standard	Note	Price excl. VAT
Determination of tensile properties on films		DIN EN ISO 527-1 DIN EN ISO 527-3		500 €
Dry bulk density of hardened mortar		DIN EN 1015-10		60 €
Fresh mortar - consistence by flow table - bulk density - air content		DIN EN 1015-3 DIN EN 1015-6 DIN EN 1015-7		180 €
Freeze-thaw cycling / thermal compatibility		z.B. ETAG 004 DIN EN 13687-3 DIN EN 12371 DIN EN ISO 10545-12 DIN EN 12004-2		on request
Cross-cut test		DIN EN ISO 2409	3-times determination	80 €
Testing of glass fibre mesh	yes	DIN EN 13496 ETAG 004		740 €
Production and disposal		ETAG 004		on request
Hygrothermal cycling (EOTA-test rig)		ETAG 004	hygrothermal alternating load incl. 5 frost/thaw cycles	6.500 €
Calorimetry		EN ISO 1716	5-times determination	565 €
Particle size distribution, Retsch		DIN EN 1015-1		140 €
QUV-exposure (artificial weathering) Specimen: 75 mm x 150 mm x max.10 mm		EN ISO 16474-3	500 h - 1 sample	190 €
			500 h - 3 samples	320 €
			2000 h - 3 samples	900 €
Crack bridging properties		EN 1062-7, WHG		from 1.800 €



Tests in department testing technology and application technology	Accredited Testing	Standard	Note	Price excl. VAT
Determination of the apparent density		DIN EN 1602		120 €
Method for measurement of the sliding friction coefficient		DIN 51131		240 €
Salt spray tests (neutral salt spray)		DIN EN ISO 9227	480 h – 3 samples	180 €
Thermal insulating products - Determination of shear behaviour		DIN EN 12090		385 €
Loose bulk density		DIN EN 1097-3		120 €
Determination of shrinkage and expansion		DIN EN 12617-4		240 €
Assessment of degree of blistering		DIN EN ISO 4628-2		20 €
Assessment of degree of flaking		DIN EN ISO 4628-5		20 €
Assessment of degree of rusting		DIN EN ISO 4628-3		20 €
Assessment of degree of cracking		DIN EN ISO 4628-4		20 €
Assesment of corrosion on the ritz		DIN EN ISO 12944-6		50 €
Determination of thermal resistance		DIN EN 12667		240 €
Short term water absorption	yes	DIN EN 1609		300 €
Long term water absorption		DIN EN 12087		445 €
Water absorption façade systems		according to DIN EN 13755		375 €
Methods of exposure to laboratory light sources – Part 2: Xenon-arc lamps Sample: 50 mm x 100 mm x max.10 mm		DIN ISO EN 16474-2	500 h - 1 sample	220 €
			500 h - 3 samples	410 €
			2000 h - 3 samples	1.250 €
Tensile strength perpendicular to faces	yes	DIN EN 1607	without sample preparation	405 €