DIN EN ISO 6504-3:2020-04 (E)

Paints and varnishes - Determination of hiding power - Part 3: Determination of hiding power of paints for masonry, concrete and interior use (ISO 6504-3:2019)

COI	ntent	S		Page
Euro	pean fo	oreword	I	3
Fore	word			4
Intro	nductio	n		5
1	_			
2	Normative references			
3	Terms and definitions			6
4	Syml	Symbols and abbreviated terms		
5	Principle			
6	Apparatus			
7	Sami	ampling		
8	Procedure and calculation			
	8.1 Preparation of substrate			
	0.1	8.1.1		
		8.1.2		
	8.2	Prepai	ration of coated foils or black and white charts	
	8.3	Deterr	mination of the spreading rate of the test specimen	12
		8.3.1	Calculation of the surface mass density	12
		8.3.2	Determination of the density	14
		8.3.3	Determination of the non-volatile matter	14
		8.3.4	Calculation of the theoretical dry- or wet-film thickness (method A,	
			method B and method C)	14
		8.3.5	Calculation 1 – Determination of the theoretical spreading rate by	
			calculation from the non-volatile matter content determined in	
			accordance with ISO 3251 and the density of the coating material (see	4.5
		0.0.6	ISO 3233-3) (method A and method B)	15
		8.3.6	Calculation 2 – Determination of the theoretical spreading rate calculated with the different coated masses on the two charts (method C), the	
			density of the coating material according to ISO 2811 (all parts) and the	
			coated area	17
	8.4	Measu	rement of tristimulus value Y_{10} and calculation of the hiding power H_{10}	
	0.1	8.4.1	General	
		8.4.2	Method A (foil)	
		8.4.3	Method B (black and white charts)	
		8.4.4	Method C (black and white charts)	
	8.5	Graphical method for determination of the hiding power at a given spreading rate		
		(meth	od C)	19
		8.5.1	General	
		8.5.2	Determination by graphical method	
		8.5.3	Determination by calculation with a known slope	21
9	Desig	gnation	of the test result	22
10	Prec	Precision		
11	Test report			23
Ann	ex A (in	formativ	e) Details on interlaboratory comparison	24
Bibliography				26