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X-READY TECHNICAL PRODUCT DATA SHEET X-READY T080

X-READY T080 is the new innovative product of the Röhr + Stolberg company. It is an unilaterally self-sticking lead sheet. This product offers a whole variety of advantages and meets its usage in particular in the fields of radiation- and acoustic protection. In addition, it can be used for weight optimization of components.

GENERAL INFORMATION		X-READY T080	
		X-READY NATUR T080	X-READY COLOR T080
PRODUCT	basic materials	Pb 99,94 Cu according to DIN EN 17640	
	dimensions	Standard sizes : 0,5 x 1.000 x 10.000 mm 1,0 x 1.000 x 5.000 mm 1,5 x 1.000 x 2.500 mm 2,0 x 1.000 x 2.500 mm Other formats or parts can be produced in terms of plan merchandise or in stamped form according to customer drawing.	
	tolerances	Thickness tolerance: 0/+0,05 mm Other tolerances according to DIN ISO 2768 m	
	surface	untreated surface	Anthracite grey RAL 7016[1]
ADHESIVE	basic materials	modified acrylate	
	thickness	80 µm (without masking)	
	processing temperature	10 – 25 degrees; bond strength of -40 will remain stable up to 100 degrees; short terms up to 200 degrees	
	temperature resistance	- 30 degrees to160 degrees	
	expiration	About 24 months at a room temperature of 15-25 degrees and a humidity of max. 50% in original packaging	
MASKING	basic materials	Polyethylene – coated paper backing on both sides siliconized	
	thickness	75 µm	

[1] other colors on request

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MORE INFORMATION[2]		X-READY T080	
		X-READY NATURAL T080	X-READY COLOR T080
TENSILE STRENGTH (STEEL/ADHESIVE/ LEAD)	non-irradiated	≥ 153,0 N/cm²	≥ 153,0 N/cm²
	irradiated (at max. 1.5 Megagray)	≥ 40,9 N/cm²	≥ 40,9 N/cm²
TENSILE STRENGTH OF SAME NATURE IN THE COMPOSITE SURFACE	non-irradiated	≥ 153,0 N/cm²	≥ 58,6 N/cm²
	irradiated (at max. 1.5 Megagray)	≥ 40,9 N/cm²	≥ 29,9 N/cm²
	sandwich structure	NATURAL/NATURAL	COLOR/COLOR
ADHESIVE PEEL FORCE (180 DEGREES ACCORDING TO AFERA 5001)[3]	on steel	~ 34,0 N/25mm	~ 34,0 N/25mm
	on aluminum	~ 30,0 N/25mm	~ 30,0 N/25mm
	on PP	~ 26,0 N/25mm	~ 26,0 N/25mm
	on PE	~ 15,0 N/25mm	~ 15,0 N/25mm

Important note: The information represents our current experience and it is not necessary in specifications. The installation of our product is only allowed on solvent-materials. Please ensure before using our product, whether it is suitable also in view of possible applicational influences for the purpose intended by you. All questions of warranty and liability for the product are governed by our valid sales conditions, unless statutory provisions provide otherwise.

[2] Röhr + Stolberg GmbH, updated November 2009
[3] According to note of manufacturer

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Acoustic Performance - Test results X-READY T080

It looked at a 12.5 mm thick gypsum board construction board (GKB) to DIN 18180 in the window test according to DIN EN ISO 14001:2005 plastered with X-READY T080 in various thicknesses.

Test Items	Test Results
Gypsum construction panel (GKB) = 12.5 mm lead foil X-READY T080 = 0.5 mm m = 14.5 kg/m²	Rw (C; Ctr; C100-5000; Ctr,100-5000) = 35 (-2; -5; -1; -5) dB
Gypsum construction panel (GKB) = 12.5 mm Lead foil X-READY T080 = 1.0 mm m = 20.1 kg/m²	Rw (C; Ctr; C100-5000; Ctr,100-5000) = 37 (-1; -4; 0; -4) dB
Gypsum construction panel (GKB) = 12.5 mm Lead foil X-READY T080 = 2.0 mm m = 31.0 kg/m²	Rw (C; Ctr; C100-5000; Ctr,100-5000) = 40 (-1; -4; 0; -4) dB
Gypsum construction panel (GKB) = 12.5 mm Lead foil X-READY T080 = 3.0 mm m = 42.7 kg/m²	Rw (C; Ctr; C100-5000; Ctr,100-5000) = 43 (0; -1; 0; -1) dB

The tabular and graphical representation of measured sound reduction as a function of frequency will be available upon request.