

## X-READY TECHNICAL PRODUCT DATA SHEET X-READY T120

X-READY T120 is an innovative new product of the Röhr + Stolberg company. It is a one-sided self-adhesive lead sheet. This product offers a whole variety of advantages and finds its application especially in the fields of radiation- and soundproofing-protection. In addition, it can be used for weight optimization of components.

GENERAL INFORMATION		X-READY T120
PRODUCT	basic materials	Pb 99,94 Cu according to DIN EN 17640
	dimensions	Standard sizes: 0,5 x 1.000 x 10.000 mm      0,5 x 620 x 10.000 mm 1,0 x 1.000 x 5.000 mm      1,0 x 620 x 6.000 mm 1,5 x 1.000 x 2.500 mm      1,5 x 620 x 3.000 mm 2,0 x 1.000 x 2.500 mm      2,0 x 620 x 3.000 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	Anthracite grey RAL 7016
ADHESIVE	basic materials	modified acrylate
	base	fleece
	thickness	120 µm
	temperature resistance	From -30 degrees to 160 degrees
	processing temperature	10-25 degrees; bond strength of -40 will remain stable up to 100 degrees; short terms up to 200 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	Silicon paper

	<b>thickness</b>	170 µm
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<b>MORE INFORMATION<sup>1</sup></b>	<b>X-R eADY T120</b>
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<b>TENSILE STRENGTH</b>	<b>of same nature in the composite surface</b>	~ 16,0 N/cm <sup>2</sup>
	<b>sandwich structure</b>	RAL 7016/RAL 7016

<b>ADHESIVE PEEL FORCE  (180 DEGREES ACCORDING TO AFERA 5001)<sup>2</sup></b>	<b>on steel</b>	~ 34,0 N/25mm
	<b>on aluminium</b>	~ 30,0 N/25mm
	<b>on PP</b>	~ 26,0 N/25mm
	<b>on PE</b>	~ 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 usage 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.*

<sup>1</sup> Röhr + Stolberg GmbH, updated November 2009

<sup>2</sup> according to note of manufacturer

### Acoustic Performance - Test results X-R eADY T120

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-R eADY T120 in various thicknesses.

Test Item	Test Results
Gypsum construction panel (GKB) = 12.5 mm lead foil X-R eADY T120 = 0.5 mm m = 14.5 kg/m <sup>2</sup>	Rw (C; Ctr; C100-5000; Ctr,100-5000) = 35 (-2; -5; -1; -5) dB
Gypsum construction panel (GKB) = 12.5 mm Lead foil X-R eADY T120 = 1.0 mm m = 20.1 kg/m <sup>2</sup>	Rw (C; Ctr; C100-5000; Ctr,100-5000) = 37 (-1; -4; 0; -4) dB
Gypsum construction panel (GKB) = 12.5 mm Lead foil X-R eADY T120 = 2.0 mm m = 31.0 kg/m <sup>2</sup>	Rw (C; Ctr; C100-5000; Ctr,100-5000) = 40 (-1; -4; 0; -4) dB
Gypsum construction panel (GKB) = 12.5 mm Lead foil X-R eADY T120 = 3.0 mm m = 42.7 kg/m <sup>2</sup>	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.