

### HH-37.1. Occupational scenario for professional installation of plasterboard, board and other products

<b>Systematic title based on use descriptor</b>	<b>PROCs</b>	
	21	Low energy manipulation of substances bound in materials/articles.

### HH-37.2 Controlling worker exposure

<b>Product characteristics</b>	The boron-containing plasterboard or board contains < 1% boron.	
<b>Amounts used</b>	Depends on the area, the building site and travelling between sites.	
<b>Frequency and duration of use</b>	On average a construction worker/plasterer would not spend more than one hour in total cutting board, and not more than four hours handling board. He may spend 5-10 minutes cleaning. The rest of the shift would be spent carrying out preparation work.	
<b>Human factors not influenced by risk management</b>	None	
<b>Other given operational conditions affecting workers exposure</b>	Activities take place indoors.	
<b>Technical conditions and measures at process level (source) to prevent release</b>	None	
<b>Technical conditions and measures to control dispersion from source towards the worker</b>	None	
<b>Organisational measures to prevent /limit releases, dispersion and exposure</b>	Appropriate training.	
<b>Conditions and measures related to personal protection, hygiene and health evaluation</b>	<b>Clothing</b>	Standard work clothes.
	<b>Gloves</b>	Not required for normal industrial exposure.
	<b>Eye protection</b>	-
	<b>RPE</b>	-

### HH-37.3. Exposure estimation

		INHALATION					
		Activity	Source/ Parameters	RMM	Value 8h TWA mg B/m <sup>3</sup>	RCR DNEL = 1.45 mg B/m <sup>3</sup>	
<b>Human Health Exposure Estimations</b>	<b>Modelled (MEASE)</b>	Cutting plasterboard or board	<b>Physical form</b>	massive	-	0.005	0.0034
			<b>Content</b>	< 1 % boron			
			<b>PROC</b>	21			
			<b>Duration</b>	> 240 min			
			<b>Scale</b>	professional			
			DERMAL				
			Activity	Source/ Parameters	RMM	Value mg B/day	RCR DNEL = 4800 mg B/day
	<b>Modelled (MEASE)</b>	Installation of cellulose insulation	<b>Physical form</b>	massive	-	0.99	<0.001
			<b>Content</b>	< 1 % boron			
			<b>PROC</b>	21			
<b>Duration</b>			> 240 min				
<b>Use pattern</b>			non dispersive				
<b>Handling</b>			direct				
		<b>Contact level</b>	intermittent				

### HH-37.4. Guidance to DU to evaluate whether he works inside the boundaries set by the ES

If the parameters used in the MEASE model outlined above do not reflect conditions at the DU facility, the DU can use MEASE and input the parameters that do reflect conditions at the DU facility to check whether the DU works inside the boundaries set by the ES. Detailed guidance for evaluation of ES can be acquired via your supplier or from the ECHA website (guidance R14, R16).