

# DIN EN 14241-1:2013-11 (E)

## Chimneys - Elastomeric seals and elastomeric sealants - Material requirements and test methods - Part 1: Seals in flue liners

---

<b>Contents</b>		<b>Page</b>
Foreword .....		4
Introduction .....		5
<b>1</b>	<b>Scope .....</b>	<b>6</b>
<b>2</b>	<b>Normative references .....</b>	<b>6</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>7</b>
<b>4</b>	<b>Classification and designation .....</b>	<b>8</b>
4.1	General .....	8
4.2	Temperature classes .....	8
4.3	Condensate resistance classes .....	9
4.4	Corrosion resistance classes .....	9
4.5	Construction classes .....	10
4.6	Location .....	10
4.7	Designation .....	10
<b>5</b>	<b>Requirements .....</b>	<b>11</b>
5.1	General .....	11
5.2	Characterisation .....	11
5.3	Long-term resistance to thermal load .....	11
5.4	Long-term resistance to condensate exposure .....	12
5.5	Cyclic condensate resistance test .....	12
5.6	Relaxation behaviour .....	12
5.7	Compression set .....	12
5.8	Tensile strength .....	13
5.9	Elongation at break .....	13
5.10	Joints in elastomeric seals .....	13
5.11	Additional requirements for seals intended to be used for external installation .....	13
<b>6</b>	<b>Test methods .....</b>	<b>13</b>
6.1	General .....	13
6.2	Characterisation .....	13
6.3	Long-term resistance to thermal load .....	14
6.4	Long-term resistance to condensate exposure .....	14
6.5	Cyclic condensate resistance test .....	15
6.6	Relaxation behaviour .....	16
6.7	Compression set .....	16
6.8	Tensile strength .....	16
6.9	Elongation at break .....	16
6.10	Strength of joints in elastomeric seals .....	16
6.11	Additional requirements for seals intended to be used for external installation .....	16
<b>7</b>	<b>Marking and labelling .....</b>	<b>17</b>
<b>8</b>	<b>Evaluation of conformity .....</b>	<b>17</b>
8.1	General .....	17
8.2	Initial type testing .....	17
8.3	Further type testing .....	17

<b>8.4</b>	<b>Factory production control .....</b>	<b>18</b>
	<b>Annex A (normative) Process parameters .....</b>	<b>20</b>
	<b>Annex B (normative) Description of test specimen .....</b>	<b>21</b>
	<b>Annex C (informative) Monitoring by a third party .....</b>	<b>22</b>