

## 20131.CPR.2020.10

| 1.                          | Jedinečný identifikační kód výrobku                                    | puren-PIR NE 40   |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|-----------------------------|--|---|--|------------------------|--|------------------------|--|-----------------------------|------------|-----------------------------|------------|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 2.                          | Zamýšlené použití  | Tepelně izolační výrobky pro budovy   |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
| 3.                          | Výrobce  | puren gmbh<br>Rengoldshauser Straße 4 - DE-88662 Ueberlingen - Německo<br>t +49 7551 80990 - f +49 7551 809920 - www.puren.com  |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
| 5.                          | Systém nebo systémy posuzování a ověřování stálosti vlastností         | Systém 3  |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
| 6.                          | Harmonizovaná norma<br>Notifikovaný orgán                              | EN 13165:2012+A2:2016<br>0751 FIW München   |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
| 7.                          | <b>Základní charakteristiky</b>  | <b>deklarované vlastnosti</b>   | <b>Harmonizovaná technická specifikace</b> |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Tepelný odpor  | Tabulka 1   | EN 13165:2012<br>+A2:2016                  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Tepelný odpor  | <table border="1"> <thead> <tr> <th colspan="2">s jmenovitou tloušťkou</th> <th colspan="2">s jmenovitou tloušťkou</th> </tr> <tr> <th><math>R_D</math> [m<sup>2</sup>·K/W]</th> <th><math>d_N</math> [mm]</th> <th><math>R_D</math> [m<sup>2</sup>·K/W]</th> <th><math>d_N</math> [mm]</th> </tr> </thead> <tbody> <tr><td>0,70</td><td>20</td><td>1,10</td><td>30</td></tr> <tr><td>1,45</td><td>40</td><td>1,85</td><td>50</td></tr> <tr><td>2,20</td><td>60</td><td>2,55</td><td>70</td></tr> <tr><td>3,05</td><td>80</td><td>3,80</td><td>100</td></tr> <tr><td>4,80</td><td>120</td><td>5,60</td><td>140</td></tr> <tr><td>6,40</td><td>160</td><td>7,20</td><td>180</td></tr> <tr><td>8,00</td><td>200</td><td>8,80</td><td>220</td></tr> <tr><td>9,60</td><td>240</td><td>10,40</td><td>260</td></tr> <tr><td>11,20</td><td>280</td><td>12,00</td><td>300</td></tr> </tbody> </table> |  | s jmenovitou tloušťkou |  | s jmenovitou tloušťkou |  | $R_D$ [m <sup>2</sup> ·K/W] | $d_N$ [mm] | $R_D$ [m <sup>2</sup> ·K/W] | $d_N$ [mm] | 0,70 | 20 | 1,10 | 30 | 1,45 | 40 | 1,85 | 50 | 2,20 | 60 | 2,55 | 70 | 3,05 | 80 | 3,80 | 100 | 4,80 | 120 | 5,60 | 140 | 6,40 | 160 | 7,20 | 180 | 8,00 | 200 | 8,80 | 220 | 9,60 | 240 | 10,40 | 260 | 11,20 | 280 | 12,00 | 300 |
| s jmenovitou tloušťkou      |  | s jmenovitou tloušťkou  |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
| $R_D$ [m <sup>2</sup> ·K/W] | $d_N$ [mm]   | $R_D$ [m <sup>2</sup> ·K/W]   |  | $d_N$ [mm]             |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
| 0,70                        | 20   | 1,10  |  | 30                     |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
| 1,45                        | 40   | 1,85  |  | 50                     |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
| 2,20                        | 60   | 2,55  |  | 70                     |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
| 3,05                        | 80   | 3,80  |  | 100                    |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
| 4,80                        | 120  | 5,60  |  | 140                    |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
| 6,40                        | 160  | 7,20  |  | 180                    |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
| 8,00                        | 200  | 8,80  | 220  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
| 9,60                        | 240  | 10,40   | 260  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
| 11,20                       | 280  | 12,00   | 300  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Tepelná vodivost   | Pro jiné tloušťky :<br>$\lambda_D = 0,027$ W/(m·K) $d_N < 80$ mm<br>$\lambda_D = 0,026$ W/(m·K) $80 \text{ mm} \leq d_N < 120$ mm<br>$\lambda_D = 0,025$ W/(m·K) $d_N \geq 120$ mm  |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Tloušťka /<br>tloušťková tolerance                                     | $d_N = 20 - 300$ mm<br>T2   |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Reakce na oheň   | E   |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Stálost reakce na oheň při degradaci působením tepla, počasí, stárnutí | Chování tvrdé polyuretanové pěny při vystavení ohni se v průběhu času nezhoršuje  |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Stálost tepelného odporu při degradaci vlivem tepla, počasí, stárnutí  | $R_D$ viz tabulka 1   |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Tepelná vodivost   | $\lambda_D = 0,027$ W/(m·K) $d_N < 80$ mm<br>$\lambda_D = 0,026$ W/(m·K) $80 \text{ mm} \leq d_N < 120$ mm<br>$\lambda_D = 0,025$ W/(m·K) $d_N \geq 120$ mm   |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Vlastnosti trvanlivosti  | NPD   |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Rozměrová stabilita  | DS(70,90)3<br>DS(-20,-)2  |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Deformace při specifikované tlakové zátěži a teplotě                   | NPD   |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Stanovení hodnot tepelného odporu a tepelné vodivosti dle stárnutí     | $R_D$ viz tabulka 1<br>$\lambda_D = 0,027$ W/(m·K) $d_N < 80$ mm<br>$\lambda_D = 0,026$ W/(m·K) $80 \text{ mm} \leq d_N < 120$ mm<br>$\lambda_D = 0,025$ W/(m·K) $d_N \geq 120$ mm  |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Napětí v tlaku   | Pevnost v tlaku<br>CS(10Y)250   |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Pevnost v tahu / v ohybu   | Pevnost v tahu kolmo k rovině desky<br>TR150  |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Stálost napětí v tlaku při degradaci působením tepla, počasí, stárnutí | Dotvarování tlakem<br>NPD   |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Propustnost vody   | Krátkodobá nasákavost<br>NPD<br>Dlouhodobá nasákavost<br>NPD<br>Rovinnost po jednostranném smáčení<br>NPD   |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Dífuze vodní páry  | NPD   |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Index zvukové pohltivosti  | NPD   |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Uvolňování nebezpečných látek, do vnitřního prostředí                  | NPD   |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |
|                             | Hoření postupujícím žhnutím  | NPD   |  |                        |  |                        |  |                             |            |                             |            |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |       |     |       |     |       |     |

NPD: No Performance Determined / žádný ukazatel není stanoven

Vlastnost výše uvedeného výrobku je ve shodě s prohlášenou vlastností/prohlášenými vlastnostmi. Toto prohlášení o vlastnostech v souladu s dodatkem IIII nařízení (EU) č. 305/2011 se vydává na výhradní odpovědnost výrobce.

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Podepsáno za výrobce a jeho jménem

Dr. Andreas Huther  
Vedení společnosti  
Ueberlingen, 01.10.2020

