

20135.CPR.2020.10

| 1. | Eindeutiger Kenncode des Produkttyps | puren-PIR NE 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|--|--|---------------------|--------------------------------------|---------------------|--|---------------|--|--------------------------------------|---------------------|--------------------------------------|---------------------|--------------------------------------|---------------------|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|-------|-----|-------|-----|
| 2. | Verwendungszweck | Wärmedämmung für Gebäude (ThIB) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | Hersteller | puren gmbh Rengoldshauser Straße 4 - DE-88662 Überlingen - Deutschland t +49 7551 80990 - f +49 7551 809920 - www.puren.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | System(e) zur Bewertung und Überprüfung der Leistungsbeständigkeit | System 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | Harmonisierte Norm Notifizierte Stelle(n) | EN 13165:2012+A2:2016 0751 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. | Wesentliche Merkmale | erklärte Leistung | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Wärmedurchlasswiderstand | Tabelle 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Wärmedurchlasswiderstand | <table border="1"> <thead> <tr> <th colspan="2">bei Nenndicke</th> <th colspan="2">bei Nenndicke</th> <th colspan="2">bei Nenndicke</th> </tr> <tr> <th>R_D [m²·K/W]</th> <th>d_N [mm]</th> <th>R_D [m²·K/W]</th> <th>d_N [mm]</th> <th>R_D [m²·K/W]</th> <th>d_N [mm]</th> </tr> </thead> <tbody> <tr> <td>0,65</td> <td>20</td> <td>1,00</td> <td>30</td> <td>1,30</td> <td>40</td> </tr> <tr> <td>1,65</td> <td>50</td> <td>2,00</td> <td>60</td> <td>2,30</td> <td>70</td> </tr> <tr> <td>2,75</td> <td>80</td> <td>3,40</td> <td>100</td> <td>4,25</td> <td>120</td> </tr> <tr> <td>5,00</td> <td>140</td> <td>5,70</td> <td>160</td> <td>6,40</td> <td>180</td> </tr> <tr> <td>7,10</td> <td>200</td> <td>7,85</td> <td>220</td> <td>8,55</td> <td>240</td> </tr> <tr> <td>9,25</td> <td>260</td> <td>10,00</td> <td>280</td> <td>10,70</td> <td>300</td> </tr> </tbody> </table> | bei Nenndicke | | bei Nenndicke | | bei Nenndicke | | R _D [m ² ·K/W] | d _N [mm] | R _D [m ² ·K/W] | d _N [mm] | R _D [m ² ·K/W] | d _N [mm] | 0,65 | 20 | 1,00 | 30 | 1,30 | 40 | 1,65 | 50 | 2,00 | 60 | 2,30 | 70 | 2,75 | 80 | 3,40 | 100 | 4,25 | 120 | 5,00 | 140 | 5,70 | 160 | 6,40 | 180 | 7,10 | 200 | 7,85 | 220 | 8,55 | 240 | 9,25 | 260 | 10,00 | 280 | 10,70 | 300 |
| bei Nenndicke | | bei Nenndicke | | bei Nenndicke | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R _D [m ² ·K/W] | d _N [mm] | R _D [m ² ·K/W] | d _N [mm] | R _D [m ² ·K/W] | d _N [mm] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0,65 | 20 | 1,00 | 30 | 1,30 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,65 | 50 | 2,00 | 60 | 2,30 | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,75 | 80 | 3,40 | 100 | 4,25 | 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5,00 | 140 | 5,70 | 160 | 6,40 | 180 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7,10 | 200 | 7,85 | 220 | 8,55 | 240 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9,25 | 260 | 10,00 | 280 | 10,70 | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Wärmeleitfähigkeit | <p>Für andere Dicken : Berechnung mit $R_D = d_N / \lambda_D$</p> <p>bei Nenndicke</p> <p>$\lambda_D = 0,030$ W/(m·K) $d_N < 80$ mm</p> <p>$\lambda_D = 0,029$ W/(m·K) $80 \text{ mm} \leq d_N < 120$ mm</p> <p>$\lambda_D = 0,028$ W/(m·K) $d_N \geq 120$ mm</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Dicke | d _N = 20 - 300 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Brandverhalten | E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Dauerhaftigkeit des Brandverhaltens unter Einfluss von Wärme, Witterung, Alterung / Abbau | Das Verhalten von Polyurethan-Hartschaum bei Brandeinwirkung verschlechtert sich nicht mit der Zeit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Dauerhaftigkeit des Wärmedurchlasswiderstandes unter Einfluss von Wärme, Witterung, Alterung / Abbau | R _D siehe Tabelle 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Wärmeleitfähigkeit | <p>bei Nenndicke</p> <p>$\lambda_D = 0,030$ W/(m·K) $d_N < 80$ mm</p> <p>$\lambda_D = 0,029$ W/(m·K) $80 \text{ mm} \leq d_N < 120$ mm</p> <p>$\lambda_D = 0,028$ W/(m·K) $d_N \geq 120$ mm</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Eigenschaften der Dauerhaftigkeit | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Dimensionsstabilität | DS(70,90)3 DS(-20,-)2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Verformung bei definierter Druck- und Temperaturbeanspruchung | NPD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Bestimmung der Werte des Wärmedurchlasswiderstandes und der Wärmeleitfähigkeit nach Alterung | R _D siehe Tabelle 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Druckfestigkeit | CS(10\Y)650 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Zug- / Biegefestigkeit | TR150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Dauerhaftigkeit der Druckfestigkeit unter Einfluss von Alterung / Abbau | NPD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Wasserdurchlässigkeit | <p>kurzzeitige Wasseraufnahme NPD</p> <p>langzeitige Wasseraufnahme NPD</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Ebenheit nach einseitiger Befeuchtung | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Wasserdampfdiffusion | NPD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Schallabsorptionsgrad | NPD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Freisetzung gefährlicher Stoffe, Abgabe in das Gebäudeinnere | NPD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Glimmverhalten | NPD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

NPD: No Performance Determined / keine Leistung erklärt

Die Leistung des vorstehenden Produktes entspricht der erklärten Leistung / den erklärten Leistungen. Verantwortlich für diese Leistungserklärung im Einklang mit Anhang III der Verordnung (EU) Nr. 305/2011 ist allein der obengenannte Hersteller.

Unterzeichnet für den Hersteller und im Namen des Herstellers durch

Dr. Andreas Huther
Geschäftsführer
Überlingen, 01.10.2020

A handwritten signature in black ink, appearing to read 'A. Huther', written in a cursive style.