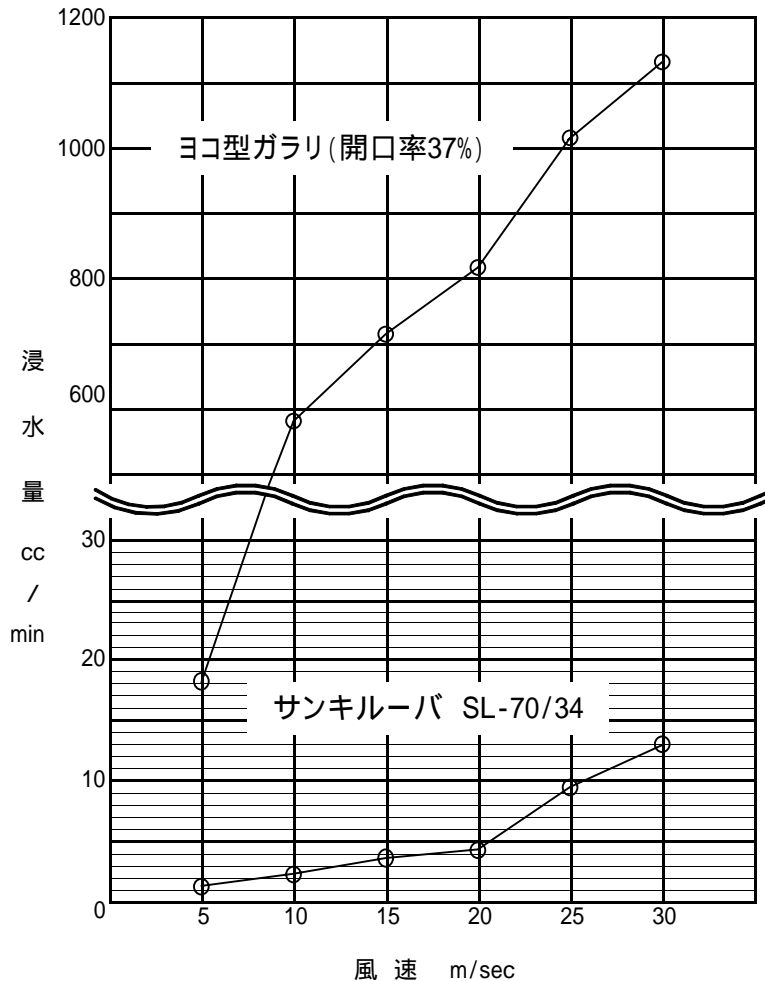


# SL-70/34 防水効率測定結果

| 種類                                      | 外風速   | 面風速<br>(吸引) | 有効開口面風速<br>(通過風速) | 散水量  | 浸水量    | 防水効率   |
|---|-------|-------------|-------------------|------|--------|--------|
|   | m/sec | m/sec       | m/sec             |      | cc/min | cc/min |
| サンキルーバ<br>SL-70/34<br>枠見込 70<br>開口率 34% | 5     | 1.5         | 4.4               | 3000 | 1.3    | 99.9   |
|   | 10    |             |                   |      | 2.1    | 99.9   |
|   | 15    |             |                   |      | 3.7    | 99.9   |
|   | 20    |             |                   |      | 4.2    | 99.9   |
|   | 25    |             |                   |      | 9.3    | 99.7   |
|   | 30    |             |                   |      | 12.9   | 99.6   |
| ヨコ型ガラリ<br>枠見込 100<br>開口率 37%            | 5     | 1.5         | 4.1               | 3000 | 18.0   | 99.4   |
|   | 10    |             |                   |      | 592.0  | 80.3   |
|   | 15    |             |                   |      | 734.0  | 75.5   |
|   | 20    |             |                   |      | 832.0  | 72.3   |
|   | 25    |             |                   |      | 1018.0 | 66.1   |
|   | 30    |             |                   |      | 1136.0 | 62.1   |

散水量 3000cc/minは、雨量100mm/hrに相当

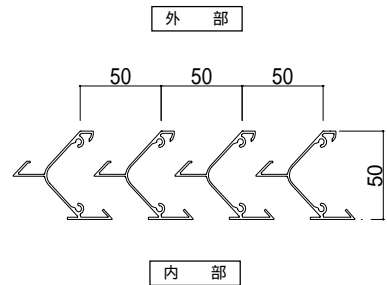
防水性能グラフ



通気性能

|                  | 抵抗係数 | 流量係数 |
|------------------|------|------|
| 面風速              | 47   | 0.15 |
| 有効開口面積<br>(通過風速) | 5.4  | 0.43 |

羽根形状



# 圧力損失計算書

製品：SL-70/34 ( 枠見込 70mm・開口率 34% )

$$\begin{aligned}
 \text{圧力損失 } P &= \frac{\text{抵抗係数} \times r \times (V)^2}{2} \\
 &= \frac{47 \times 1.2055 \times (1.5)^2}{2} \\
 &= 63.74 \text{ Pa}
 \end{aligned}$$

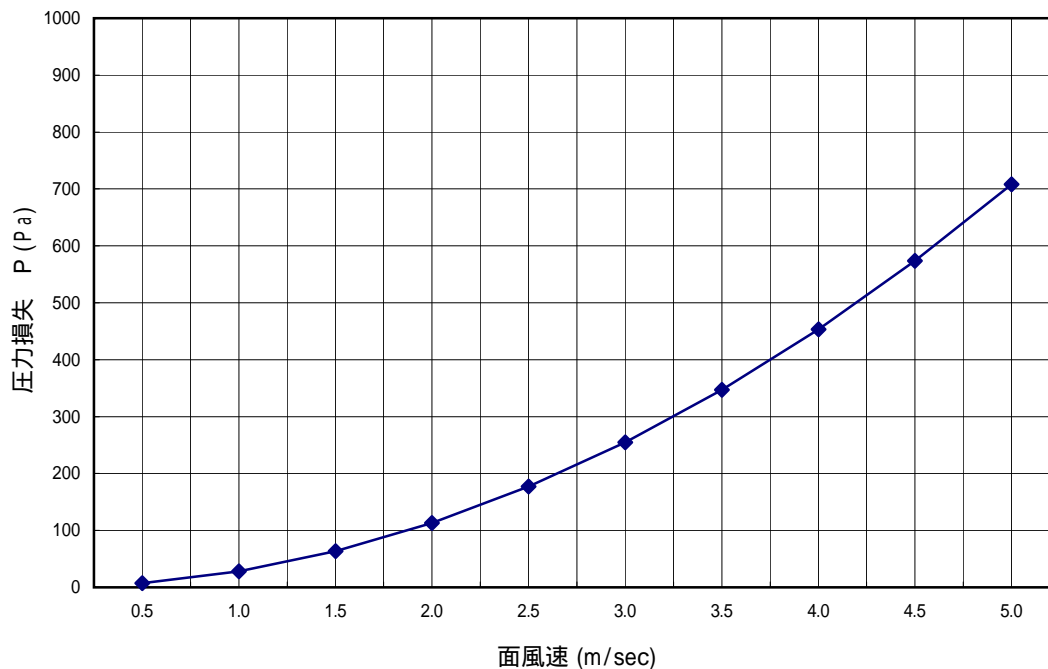
|                               |        |
|-------------------------------|--------|
| 抵抗係数                          | 47.0   |
| r : 空気密度 (kg/m <sup>3</sup> ) | 1.2055 |
| v : 面風速 (m/sec)               | 1.5    |

：空気温度 ( 20 )

$$\text{空気の比重量} = \frac{353.2}{273 + 20} \times 1.2055$$

| 種類<br>(羽根ピッチP)                | 羽根形状  | 流量係数 | 抵抗係数 | 面風速 V   | 通過風速      | 圧力損失 P |
|-------------------------------|---|------|------|---------|-----------|--------|
|                               |   |      |      | [m/sec] | [ m/sec ] | [ Pa ] |
| SL-70/34<br>開口率 34%<br>(P=50) |  | 0.15 | 47.0 | 0.5     | 1.47      | 7.08   |
|                               |   |      |      | 1.0     | 2.94      | 28.33  |
|                               |   |      |      | 1.5     | 4.41      | 63.74  |
|                               |   |      |      | 2.0     | 5.88      | 113.31 |
|                               |   |      |      | 2.5     | 7.35      | 177.05 |
|                               |   |      |      | 3.0     | 8.82      | 254.95 |
|                               |   |      |      | 3.5     | 10.29     | 347.02 |
|                               |   |      |      | 4.0     | 11.76     | 453.25 |
|                               |   |      |      | 4.5     | 13.24     | 573.65 |
|                               |   |      |      | 5.0     | 14.71     | 708.21 |

圧力損失グラフ

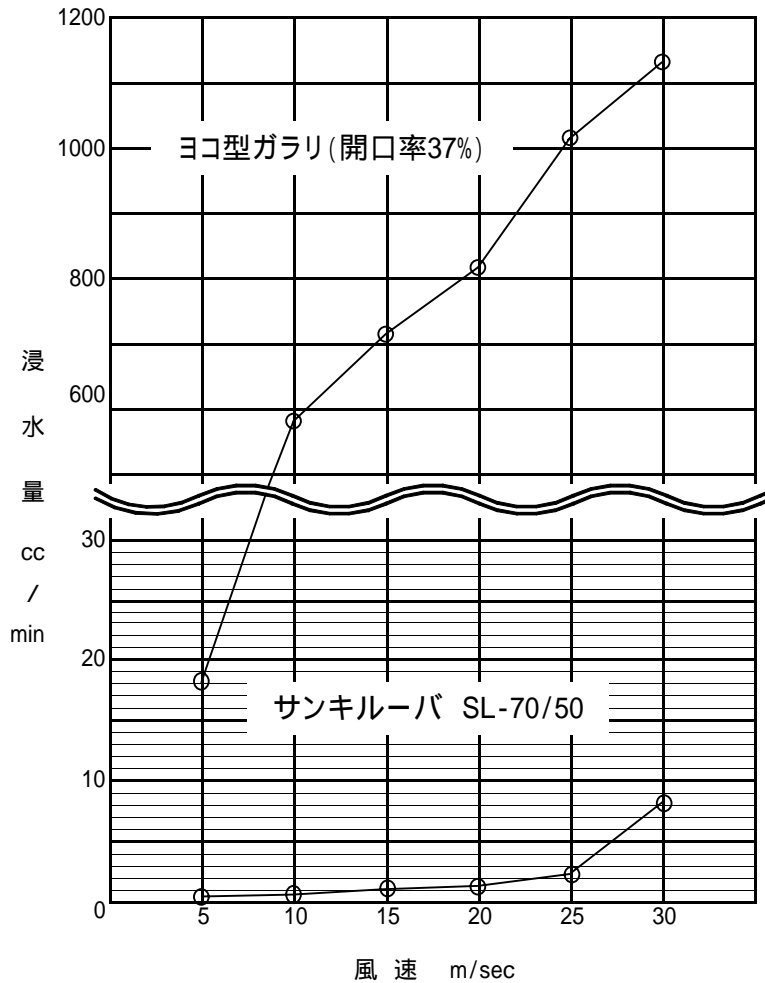


# SL-70/50 防水効率測定結果

| 種類                                      | 外風速   | 面風速<br>(吸引) | 有効開口面風速<br>(通過風速) | 散水量  | 浸水量    | 防水効率 |
|---|-------|-------------|-------------------|------|--------|------|
|   | m/sec | m/sec       | m/sec             |      |        |      |
| サンキルーバ<br>SL-70/50<br>枠見込 70<br>開口率 50% | 5     | 1.5         | 3.0               | 3000 | 0.3    | 99.9 |
|   | 10    |             |                   |      | 0.6    | 99.9 |
|   | 15    |             |                   |      | 1.0    | 99.9 |
|   | 20    |             |                   |      | 1.3    | 99.9 |
|   | 25    |             |                   |      | 2.1    | 99.9 |
|   | 30    |             |                   |      | 8.9    | 99.7 |
| ヨコ型ガラリ<br>枠見込 100<br>開口率 37%            | 5     | 1.5         | 4.1               | 3000 | 18.0   | 99.4 |
|   | 10    |             |                   |      | 592.0  | 80.3 |
|   | 15    |             |                   |      | 734.0  | 75.5 |
|   | 20    |             |                   |      | 832.0  | 72.3 |
|   | 25    |             |                   |      | 1018.0 | 66.1 |
|   | 30    |             |                   |      | 1136.0 | 62.1 |

散水量 3000cc/minは、雨量100mm/hrに相当

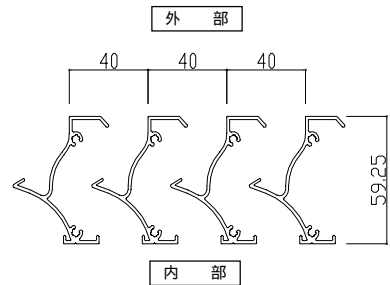
防水性能グラフ



通気性能

|                  | 抵抗係数 | 流量係数 |
|------------------|------|------|
| 面風速              | 38   | 0.16 |
| 有効開口面積<br>(通過風速) | 9.5  | 0.32 |

羽根形状



# 圧力損失計算書

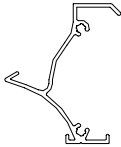
製品：SL-70/50 ( 枠見込 70mm・開口率 50% )

$$\begin{aligned} \text{圧力損失 } P &= \frac{\text{抵抗係数} \times r \times (V)^2}{2} \\ &= \frac{38 \times 1.2055 \times (1.5)^2}{2} \\ &= 51.53 \text{ Pa} \end{aligned}$$

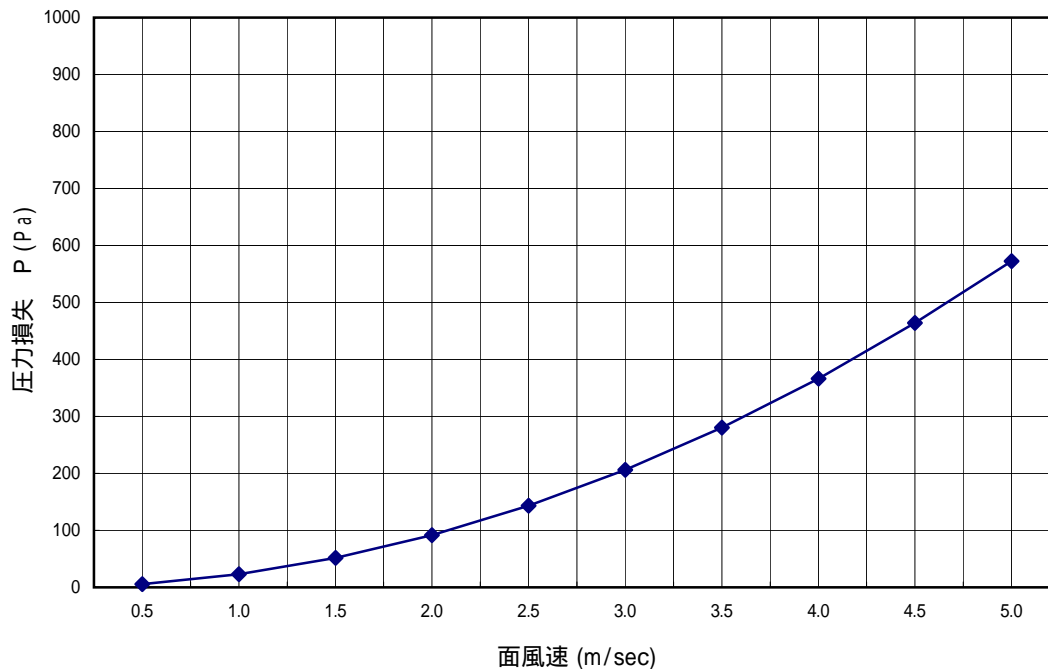
|                               |        |
|-------------------------------|--------|
| 抵抗係数                          | 38.0   |
| r : 空気密度 (kg/m <sup>3</sup> ) | 1.2055 |
| v : 面風速 (m/sec)               | 1.5    |

：空気温度 ( 20 )

$$\text{空気の比重量} = \frac{353.2}{273 + 20} \times 1.2055$$

| 種類<br>(羽根ピッチP)                 | 羽根形状  | 流量係数 | 抵抗係数 | 面風速 V   | 通過風速      | 圧力損失 P |
|--------------------------------|---|------|------|---------|-----------|--------|
|                                |   |      |      | [m/sec] | [ m/sec ] | [ Pa ] |
| SL-70/50<br>開口率 50 %<br>(P=40) |  | 0.16 | 38.0 | 0.5     | 1.00      | 5.73   |
|                                |   |      |      | 1.0     | 2.00      | 22.90  |
|                                |   |      |      | 1.5     | 3.00      | 51.53  |
|                                |   |      |      | 2.0     | 4.00      | 91.62  |
|                                |   |      |      | 2.5     | 5.00      | 143.15 |
|                                |   |      |      | 3.0     | 6.00      | 206.13 |
|                                |   |      |      | 3.5     | 7.00      | 280.57 |
|                                |   |      |      | 4.0     | 8.00      | 366.46 |
|                                |   |      |      | 4.5     | 9.00      | 463.80 |
|                                |   |      |      | 5.0     | 10.00     | 572.59 |

圧力損失グラフ

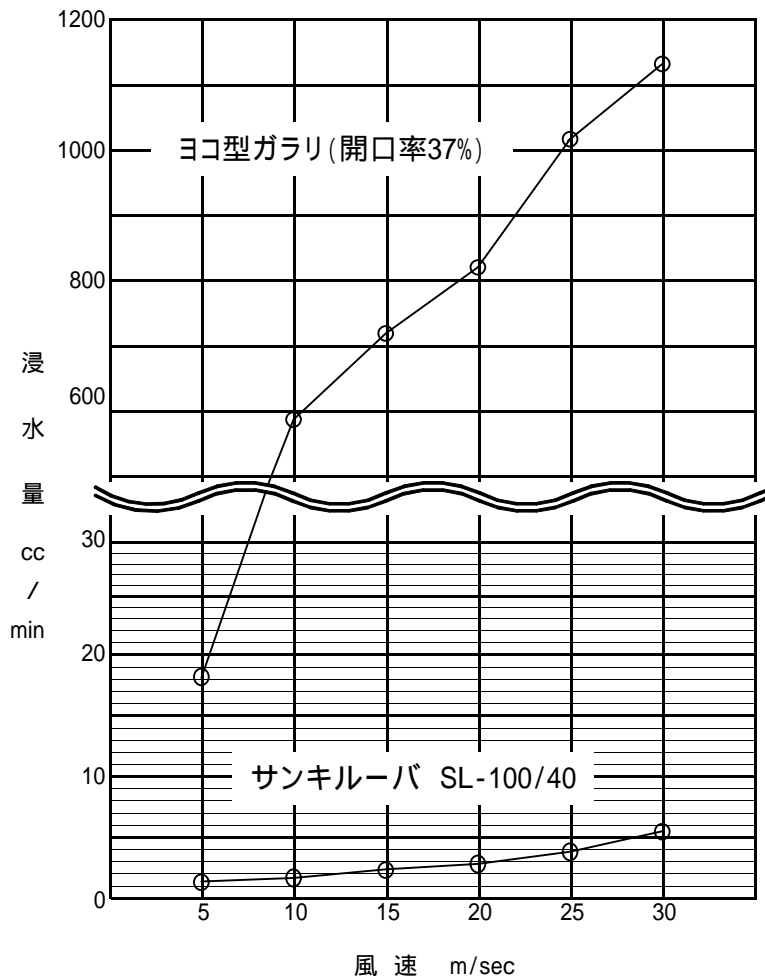


# SL-100/40 防水効率測定結果

| 種類  | 外風速   | 面風速<br>(吸引) | 有効開口面風速<br>(通過風速) | 散水量  | 浸水量    | 防水効率   |
|---|-------|-------------|-------------------|------|--------|--------|
|   | m/sec | m/sec       | m/sec             |      | cc/min | cc/min |
| サンキルーバ<br>SL-100/40<br>枠見込 100<br>開口率 40% | 5     | 1.5         | 3.8               | 3000 | 1.0    | 99.9   |
|   | 10    |             |                   |      | 1.6    | 99.9   |
|   | 15    |             |                   |      | 2.1    | 99.9   |
|   | 20    |             |                   |      | 2.8    | 99.9   |
|   | 25    |             |                   |      | 3.8    | 99.9   |
|   | 30    |             |                   |      | 5.3    | 99.8   |
| ヨコ型ガラリ<br>枠見込 100<br>開口率 37%              | 5     | 1.5         | 4.1               | 3000 | 18.0   | 99.4   |
|   | 10    |             |                   |      | 592.0  | 80.3   |
|   | 15    |             |                   |      | 734.0  | 75.5   |
|   | 20    |             |                   |      | 832.0  | 72.3   |
|   | 25    |             |                   |      | 1018.0 | 66.1   |
|   | 30    |             |                   |      | 1136.0 | 62.1   |

散水量 3000cc/minは、雨量100mm/hrに相当

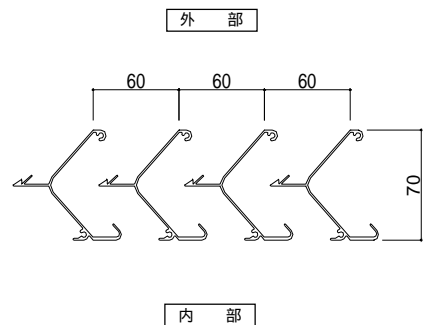
防水性能グラフ



通気性能

|                  | 抵抗係数 | 流量係数 |
|------------------|------|------|
| 面風速              | 38   | 0.16 |
| 有効開口面積<br>(通過風速) | 6.1  | 0.40 |

羽根形状



# 圧力損失計算書

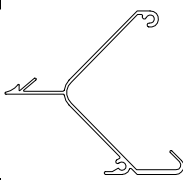
製品：SL - 100/40 ( 枠見込 100mm・開口率 40% )

$$\begin{aligned}
 \text{圧力損失 } P &= \frac{\text{抵抗係数} \times r \times (V)^2}{2} \\
 &= \frac{38 \times 1.2055 \times (1.5)^2}{2} \\
 &= 51.53 \text{ Pa}
 \end{aligned}$$

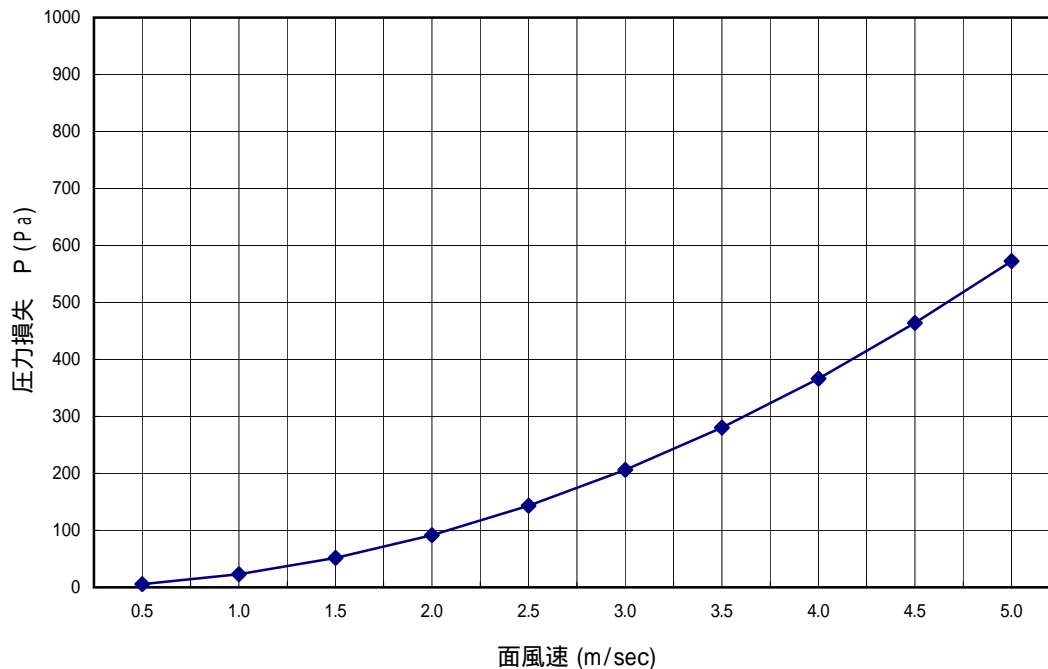
|                               |        |
|-------------------------------|--------|
| 抵抗係数                          | 38.0   |
| r : 空気密度 (kg/m <sup>3</sup> ) | 1.2055 |
| v : 面風速 (m/sec)               | 1.5    |

：空気温度 ( 20 )

$$\text{空気の比重量} = \frac{353.2}{273 + 20} \times 1.2055$$

| 種類<br>(羽根ピッチP)                  | 羽根形状  | 流量係数 | 抵抗係数 | 面風速 V   | 通過風速      | 圧力損失 P |
|---------------------------------|---|------|------|---------|-----------|--------|
|                                 |   |      |      | [m/sec] | [ m/sec ] | [ Pa ] |
| SL-100/40<br>開口率 40 %<br>(P=60) |  | 0.16 | 38.0 | 0.5     | 1.25      | 5.73   |
|                                 |   |      |      | 1.0     | 2.50      | 22.90  |
|                                 |   |      |      | 1.5     | 3.75      | 51.53  |
|                                 |   |      |      | 2.0     | 5.00      | 91.62  |
|                                 |   |      |      | 2.5     | 6.25      | 143.15 |
|                                 |   |      |      | 3.0     | 7.50      | 206.13 |
|                                 |   |      |      | 3.5     | 8.75      | 280.57 |
|                                 |   |      |      | 4.0     | 10.00     | 366.46 |
|                                 |   |      |      | 4.5     | 11.25     | 463.80 |
|                                 |   |      |      | 5.0     | 12.50     | 572.59 |

圧力損失グラフ

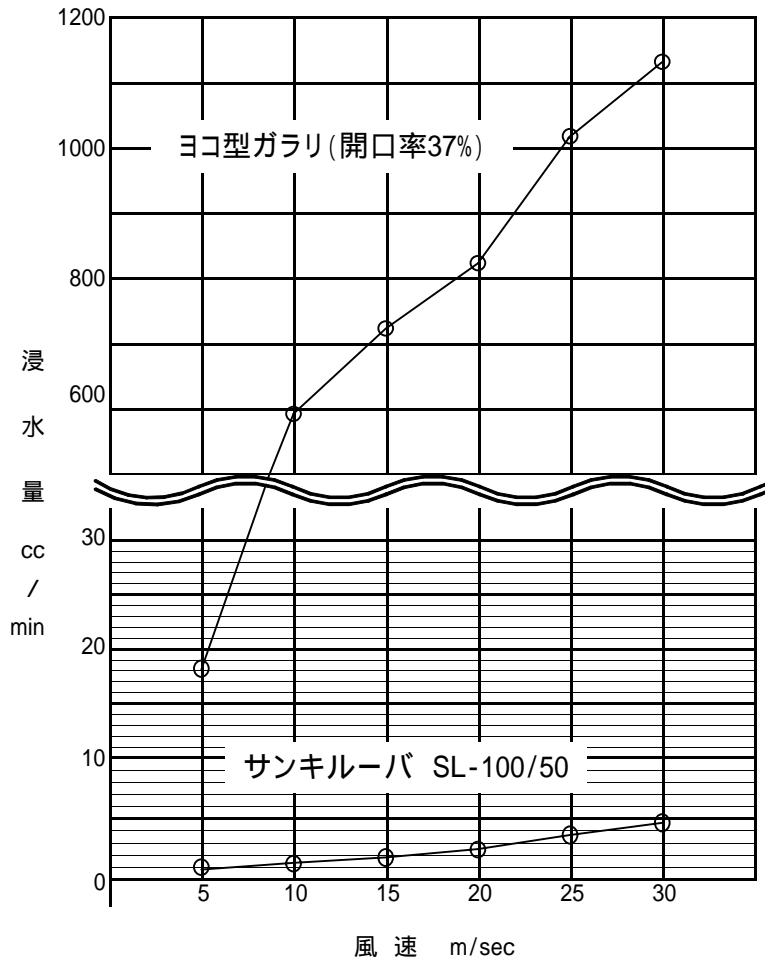


# SL-100/50 防水効率測定結果

| 種類  | 外風速   | 面風速<br>(吸引) | 有効開口面風速<br>(通過風速) | 散水量  | 浸水量    | 防水効率 |
|---|-------|-------------|-------------------|------|--------|------|
|   | m/sec | m/sec       | m/sec             |      |        |      |
| サンキルーバ<br>SL-100/50<br>枠見込 100<br>開口率 50% | 5     | 1.5         | 3.0               | 3000 | 0.8    | 99.9 |
|   | 10    |             |                   |      | 1.2    | 99.9 |
|   | 15    |             |                   |      | 1.8    | 99.9 |
|   | 20    |             |                   |      | 2.2    | 99.9 |
|   | 25    |             |                   |      | 3.5    | 99.9 |
|   | 30    |             |                   |      | 4.4    | 99.9 |
| ヨコ型ガラリ<br>枠見込 100<br>開口率 37%              | 5     | 1.5         | 4.1               | 3000 | 18.0   | 99.4 |
|   | 10    |             |                   |      | 592.0  | 80.3 |
|   | 15    |             |                   |      | 734.0  | 75.5 |
|   | 20    |             |                   |      | 832.0  | 72.3 |
|   | 25    |             |                   |      | 1018.0 | 66.1 |
|   | 30    |             |                   |      | 1136.0 | 62.1 |

散水量 3000cc/minは、雨量100mm/hrに相当

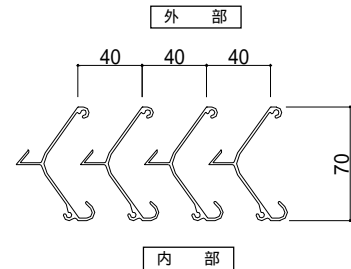
防水性能グラフ



通気性能

|                  | 抵抗係数 | 流量係数 |
|------------------|------|------|
| 面風速              | 17   | 0.24 |
| 有効開口面積<br>(通過風速) | 4.3  | 0.48 |

羽根形状



# 圧力損失計算書

製品：SL - 100/50 ( 枠見込 100mm・開口率 50% )

$$\begin{aligned} \text{圧力損失 } P &= \frac{r \times (V)^2}{2} \\ &= \frac{17 \times 1.2055 \times (1.5)^2}{2} \\ &= 23.05 \text{ Pa} \end{aligned}$$

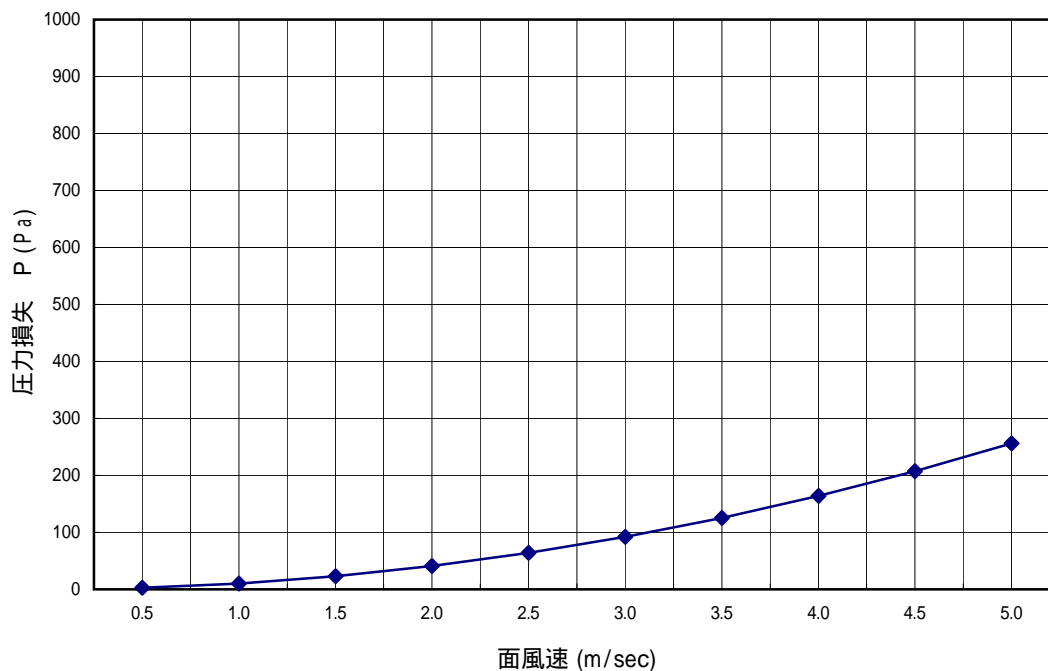
|                               |        |
|-------------------------------|--------|
| 抵抗係数                          | 17.0   |
| r : 空気密度 (kg/m <sup>3</sup> ) | 1.2055 |
| v : 面風速 (m/sec)               | 1.5    |

：空気温度 ( 20 )

$$\text{空気の比重量} = \frac{353.2}{273 + 20} \times 1.2055$$

| 種類<br>(羽根ピッチP)                  | 羽根形状  | 流量係数 | 抵抗係数 | 面風速 V   | 通過風速      | 圧力損失 P |
|---------------------------------|---|------|------|---------|-----------|--------|
|                                 |   |      |      | [m/sec] | [ m/sec ] | [ Pa ] |
| SL-100/50<br>開口率 50 %<br>(P=40) |  | 0.24 | 17.0 | 0.5     | 1.00      | 2.56   |
|                                 |   |      |      | 1.0     | 2.00      | 10.25  |
|                                 |   |      |      | 1.5     | 3.00      | 23.05  |
|                                 |   |      |      | 2.0     | 4.00      | 40.99  |
|                                 |   |      |      | 2.5     | 5.00      | 64.04  |
|                                 |   |      |      | 3.0     | 6.00      | 92.22  |
|                                 |   |      |      | 3.5     | 7.00      | 125.52 |
|                                 |   |      |      | 4.0     | 8.00      | 163.94 |
|                                 |   |      |      | 4.5     | 9.00      | 207.49 |
|                                 |   |      |      | 5.0     | 10.00     | 256.16 |

圧力損失グラフ



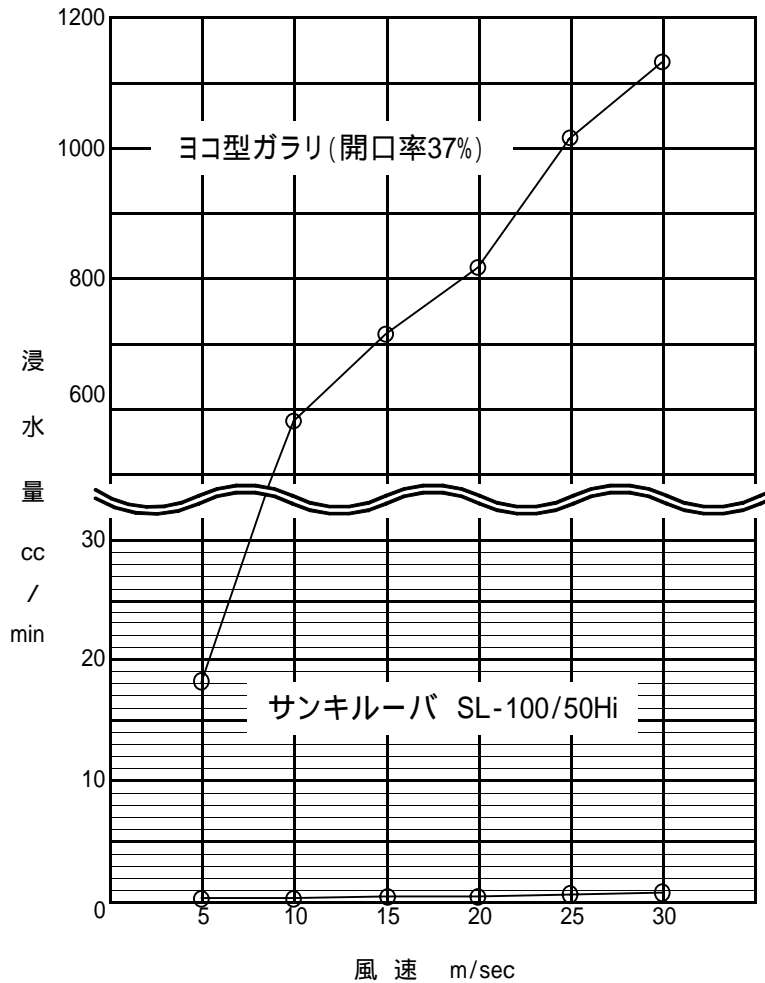


# SL-100/50Hi 防水効率測定結果

| 種類  | 外風速   | 面風速<br>(吸引) | 有効開口面風速<br>(通過風速) | 散水量  | 浸水量    | 防水効率 |
|---|-------|-------------|-------------------|------|--------|------|
|   | m/sec | m/sec       | m/sec             |      |        |      |
| サンキルーバ<br>SL-100/50Hi<br>枠見込 100<br>開口率 50% | 5     | 1.5         | 3.0               | 3000 | 0.1    | 99.9 |
|   | 10    |             |                   |      | 0.1    | 99.9 |
|   | 15    |             |                   |      | 0.4    | 99.9 |
|   | 20    |             |                   |      | 0.4    | 99.9 |
|   | 25    |             |                   |      | 0.5    | 99.9 |
|   | 30    |             |                   |      | 0.7    | 99.9 |
| ヨコ型ガラリ<br>枠見込 100<br>開口率 37%                | 5     | 1.5         | 4.1               | 3000 | 18.0   | 99.4 |
|   | 10    |             |                   |      | 592.0  | 80.3 |
|   | 15    |             |                   |      | 734.0  | 75.5 |
|   | 20    |             |                   |      | 832.0  | 72.3 |
|   | 25    |             |                   |      | 1018.0 | 66.1 |
|   | 30    |             |                   |      | 1136.0 | 62.1 |

散水量 3000cc/minは、雨量100mm/hrに相当

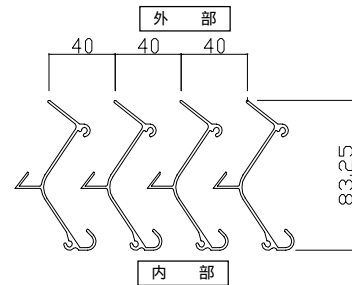
防水性能グラフ



通気性能

|                  | 抵抗係数 | 流量係数 |
|------------------|------|------|
| 面風速              | 23   | 0.21 |
| 有効開口面積<br>(通過風速) | 5.8  | 0.42 |

羽根形状



# 圧力損失計算書

製品：SL-100/50Hi ( 枠見込 100mm・開口率 50% )

$$\begin{aligned} \text{圧力損失 } P &= \frac{\text{抵抗係数} \times r \times (V)^2}{2} \\ &= \frac{23 \times 1.2055 \times (1.5)^2}{2} \\ &= 31.19 \text{ Pa} \end{aligned}$$

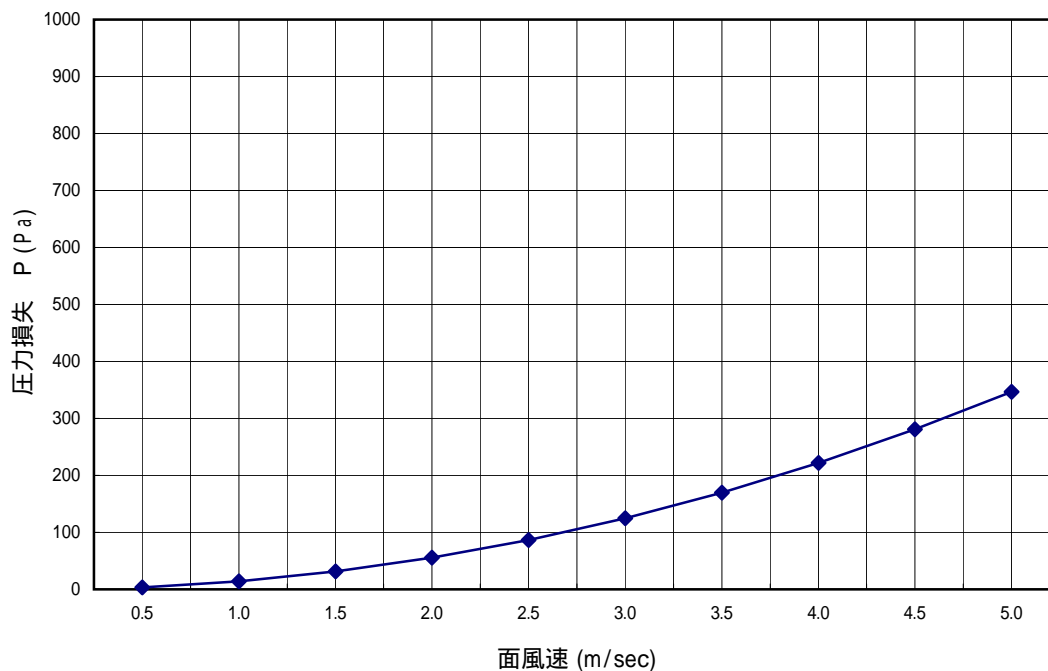
|                               |        |
|-------------------------------|--------|
| 抵抗係数                          | 23.0   |
| r : 空気密度 (kg/m <sup>3</sup> ) | 1.2055 |
| v : 面風速 (m/sec)               | 1.5    |

：空気温度 ( 20 )

$$\text{空気の比重量} = \frac{353.2}{273 + 20} \times 1.2055$$

| 種類<br>(羽根ピッチP)                    | 羽根形状  | 流量係数 | 抵抗係数 | 面風速 V   | 通過風速      | 圧力損失 P |
|-----------------------------------|---|------|------|---------|-----------|--------|
|                                   |   |      |      | [m/sec] | [ m/sec ] | [ Pa ] |
| SL-100/50Hi<br>開口率 50 %<br>(P=40) |  | 0.21 | 23.0 | 0.5     | 1.00      | 3.47   |
|                                   |   |      |      | 1.0     | 2.00      | 13.86  |
|                                   |   |      |      | 1.5     | 3.00      | 31.19  |
|                                   |   |      |      | 2.0     | 4.00      | 55.45  |
|                                   |   |      |      | 2.5     | 5.00      | 86.64  |
|                                   |   |      |      | 3.0     | 6.00      | 124.77 |
|                                   |   |      |      | 3.5     | 7.00      | 169.82 |
|                                   |   |      |      | 4.0     | 8.00      | 221.80 |
|                                   |   |      |      | 4.5     | 9.00      | 280.72 |
|                                   |   |      |      | 5.0     | 10.00     | 346.57 |

圧力損失グラフ

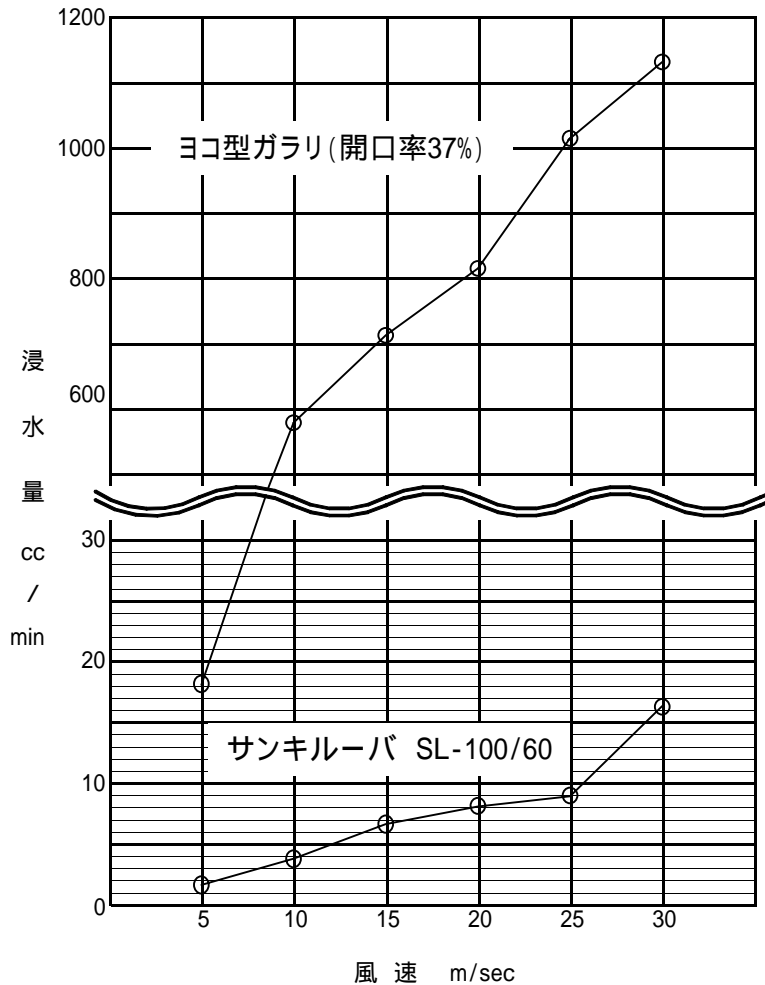


# SL-100/60 防水効率測定結果

| 種類  | 外風速   | 面風速<br>(吸引) | 有効開口面風速<br>(通過風速) | 散水量  | 浸水量    | 防水効率 |
|---|-------|-------------|-------------------|------|--------|------|
|   | m/sec | m/sec       | m/sec             |      |        |      |
| サンキルーバ<br>SL-100/60<br>枠見込 100<br>開口率 60% | 5     | 1.5         | 2.5               | 3000 | 1.5    | 99.9 |
|   | 10    |             |                   |      | 3.7    | 99.9 |
|   | 15    |             |                   |      | 6.5    | 99.8 |
|   | 20    |             |                   |      | 7.0    | 99.8 |
|   | 25    |             |                   |      | 7.8    | 99.7 |
|   | 30    |             |                   |      | 16.1   | 99.5 |
| ヨコ型ガラリ<br>枠見込 100<br>開口率 37%              | 5     | 1.5         | 4.1               | 3000 | 18.0   | 99.4 |
|   | 10    |             |                   |      | 592.0  | 80.3 |
|   | 15    |             |                   |      | 734.0  | 75.5 |
|   | 20    |             |                   |      | 832.0  | 72.3 |
|   | 25    |             |                   |      | 1018.0 | 66.1 |
|   | 30    |             |                   |      | 1136.0 | 62.1 |

散水量 3000cc/minは、雨量100mm/hrに相当

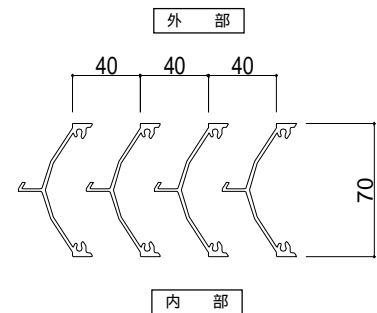
防水性能グラフ



通気性能

|                  | 抵抗係数 | 流量係数 |
|------------------|------|------|
| 面風速              | 15   | 0.26 |
| 有効開口面積<br>(通過風速) | 5.4  | 0.43 |

羽根形状



# 圧力損失計算書

製品：SL - 100/60 ( 枠見込 100mm・開口率 60% )

$$\begin{aligned}
 \text{圧力損失 } P &= \frac{\text{抵抗係数} \times r \times (V)^2}{2} \\
 &= \frac{15 \times 1.2055 \times (1.5)^2}{2} \\
 &= 20.34 \text{ Pa}
 \end{aligned}$$

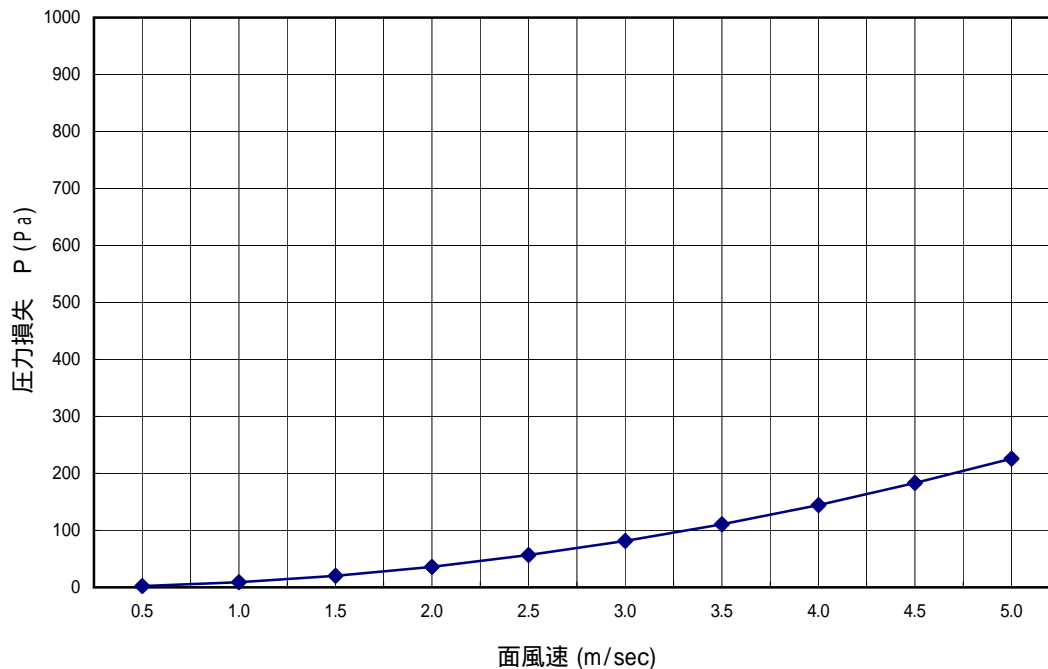
|                               |        |
|-------------------------------|--------|
| 抵抗係数                          | 15.0   |
| r : 空気密度 (kg/m <sup>3</sup> ) | 1.2055 |
| v : 面風速 (m/sec)               | 1.5    |

：空気温度 ( 20 )

$$\text{空気の比重量} = \frac{353.2}{273 + 20} \times 1.2055$$

| 種類<br>(羽根ピッチP)                 | 羽根形状  | 流量係数 | 抵抗係数 | 面風速 V   | 通過風速      | 圧力損失 P |
|--------------------------------|---|------|------|---------|-----------|--------|
|                                |   |      |      | [m/sec] | [ m/sec ] | [ Pa ] |
| SL-100/60<br>開口率 60%<br>(P=40) |  | 0.26 | 15.0 | 0.5     | 0.83      | 2.26   |
|                                |   |      |      | 1.0     | 1.67      | 9.04   |
|                                |   |      |      | 1.5     | 2.50      | 20.34  |
|                                |   |      |      | 2.0     | 3.33      | 36.16  |
|                                |   |      |      | 2.5     | 4.17      | 56.51  |
|                                |   |      |      | 3.0     | 5.00      | 81.37  |
|                                |   |      |      | 3.5     | 5.83      | 110.75 |
|                                |   |      |      | 4.0     | 6.67      | 144.66 |
|                                |   |      |      | 4.5     | 7.50      | 183.08 |
|                                |   |      |      | 5.0     | 8.33      | 226.02 |

圧力損失グラフ

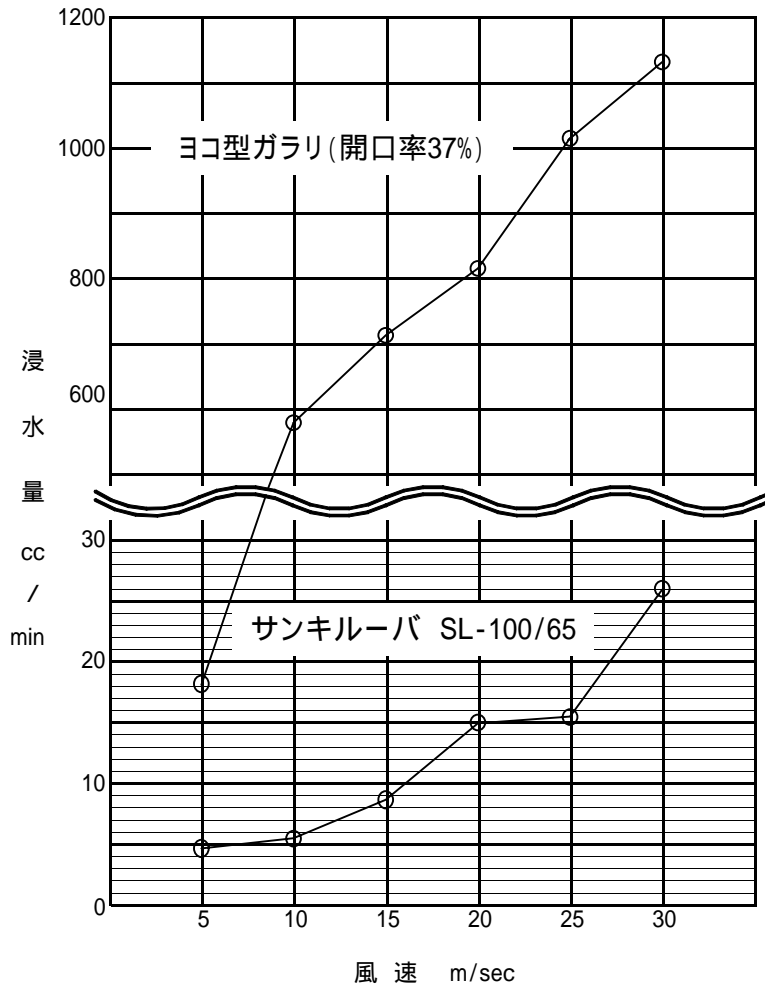


# SL-100/65 防水効率測定結果

| 種類  | 外風速   | 面風速<br>(吸引) | 有効開口面風速<br>(通過風速) | 散水量  | 浸水量    | 防水効率   |
|---|-------|-------------|-------------------|------|--------|--------|
|   | m/sec | m/sec       | m/sec             |      | cc/min | cc/min |
| サンキルーバ<br>SL-100/65<br>枠見込 100<br>開口率 65% | 5     | 1.5         | 2.3               | 3000 | 4.6    | 99.9   |
|   | 10    |             |                   |      | 5.2    | 99.8   |
|   | 15    |             |                   |      | 8.4    | 99.7   |
|   | 20    |             |                   |      | 14.9   | 99.5   |
|   | 25    |             |                   |      | 15.3   | 99.5   |
|   | 30    |             |                   |      | 25.9   | 99.1   |
| ヨコ型ガラリ<br>枠見込 100<br>開口率 37%              | 5     | 1.5         | 4.1               | 3000 | 18.0   | 99.4   |
|   | 10    |             |                   |      | 592.0  | 80.3   |
|   | 15    |             |                   |      | 734.0  | 75.5   |
|   | 20    |             |                   |      | 832.0  | 72.3   |
|   | 25    |             |                   |      | 1018.0 | 66.1   |
|   | 30    |             |                   |      | 1136.0 | 62.1   |

散水量 3000cc/minは、雨量100mm/hrに相当

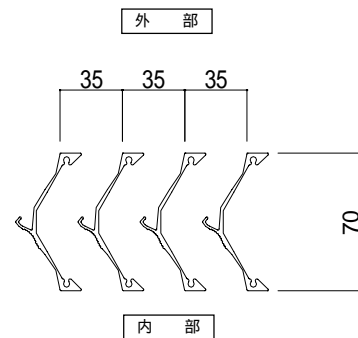
防水性能グラフ



通気性能

|                  | 抵抗係数 | 流量係数 |
|------------------|------|------|
| 面風速              | 11   | 0.30 |
| 有効開口面積<br>(通過風速) | 4.6  | 0.47 |

羽根形状



# 圧力損失計算書

製品：SL - 100/65 ( 枠見込 100mm・開口率 65 % )

$$\begin{aligned} \text{圧力損失 } P &= \frac{r \times (V)^2}{2} \\ &= \frac{11 \times 1.2055 \times (1.5)^2}{2} \\ &= 14.92 \text{ Pa} \end{aligned}$$

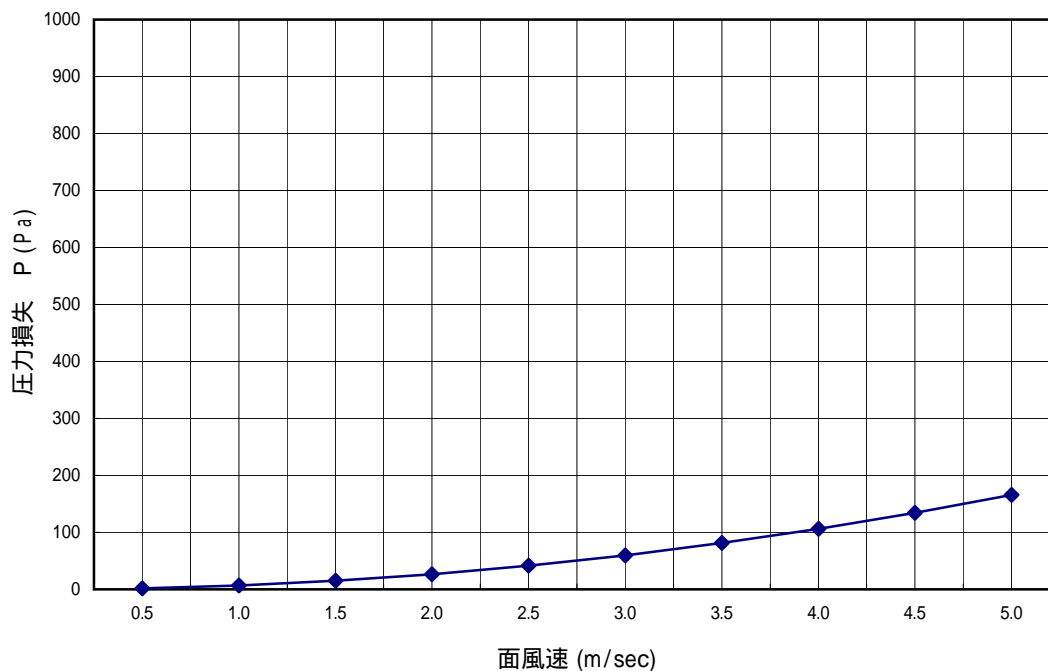
|                              |        |
|------------------------------|--------|
| ：抵抗係数                        | 11.0   |
| r : 空気密度(kg/m <sup>3</sup> ) | 1.2055 |
| v : 面風速(m/sec)               | 1.5    |

：空気温度 ( 20 )

$$\text{空気の比重量} = \frac{353.2}{273 + 20} \times 1.2055$$

| 種類<br>(羽根ピッチP)                  | 羽根形状  | 流量係数 | 抵抗係数 | 面風速 V   | 通過風速      | 圧力損失 P |
|---------------------------------|---|------|------|---------|-----------|--------|
|                                 |   |      |      | [m/sec] | [ m/sec ] | [ Pa ] |
| SL-100/65<br>開口率 65 %<br>(P=35) |  | 0.30 | 11.0 | 0.5     | 0.77      | 1.66   |
|                                 |   |      |      | 1.0     | 1.54      | 6.63   |
|                                 |   |      |      | 1.5     | 2.31      | 14.92  |
|                                 |   |      |      | 2.0     | 3.08      | 26.52  |
|                                 |   |      |      | 2.5     | 3.85      | 41.44  |
|                                 |   |      |      | 3.0     | 4.62      | 59.67  |
|                                 |   |      |      | 3.5     | 5.38      | 81.22  |
|                                 |   |      |      | 4.0     | 6.15      | 106.08 |
|                                 |   |      |      | 4.5     | 6.92      | 134.26 |
|                                 |   |      |      | 5.0     | 7.69      | 165.75 |

圧力損失グラフ

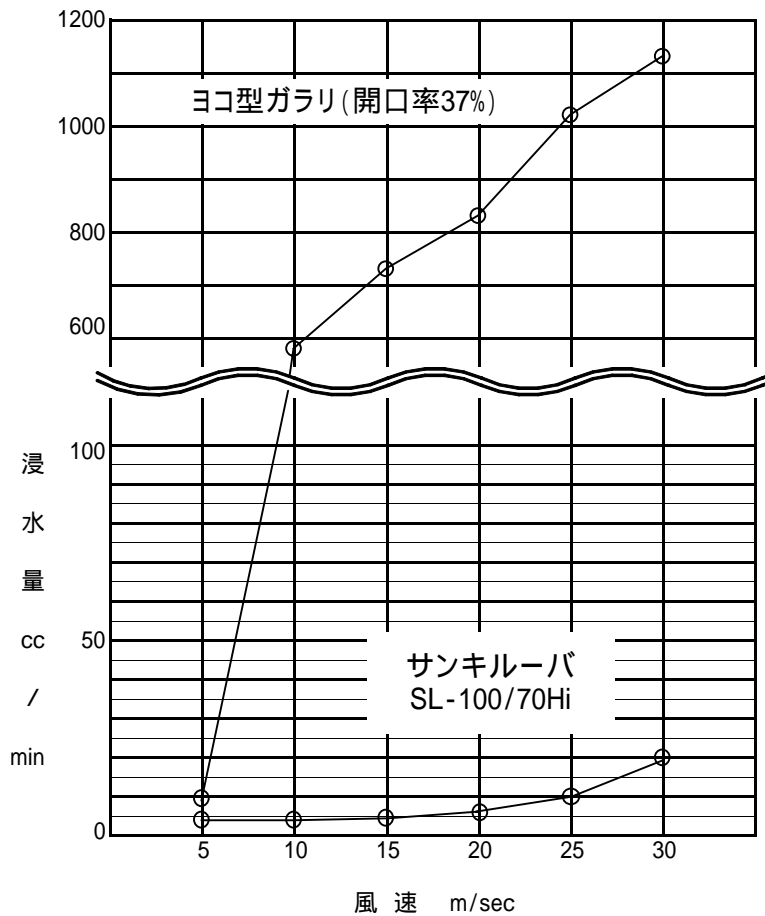


# SL-100/70Hi 防水効率測定結果

| 種類  | 外風速   | 面風速<br>(吸引) | 有効開口面風速<br>(通過風速) | 散水量  | 浸水量    | 防水効率 |
|---|-------|-------------|-------------------|------|--------|------|
|   | m/sec | m/sec       | m/sec             |      |        |      |
| サンキルーバ<br>SL-100/70Hi<br>枠見込 100<br>開口率 70% | 5     | 1.5         | 2.1               | 3000 | 3.1    | 99.8 |
|   | 10    |             |                   |      | 3.5    | 99.8 |
|   | 15    |             |                   |      | 4.2    | 99.8 |
|   | 20    |             |                   |      | 6.9    | 99.7 |
|   | 25    |             |                   |      | 9.5    | 99.6 |
|   | 30    |             |                   |      | 19.7   | 99.3 |
| ヨコ型ガラリ<br>枠見込 100<br>開口率 37%                | 5     | 1.5         | 4.1               | 3000 | 18.0   | 99.4 |
|   | 10    |             |                   |      | 592.0  | 80.3 |
|   | 15    |             |                   |      | 734.0  | 75.5 |
|   | 20    |             |                   |      | 832.0  | 72.3 |
|   | 25    |             |                   |      | 1018.0 | 66.1 |
|   | 30    |             |                   |      | 1136.0 | 62.1 |

散水量 3000cc/minは、雨量100mm/hrに相当

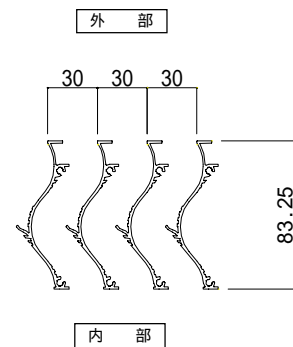
防水性能グラフ



通気性能

|                  | 抵抗係数 | 流量係数 |
|------------------|------|------|
| 面風速              | 10   | 0.32 |
| 有効開口面積<br>(通過風速) | 4.9  | 0.45 |

羽根形状



# 圧力損失計算書

製品：SL-100/70Hi ( 枠見込 100mm・開口率 70% )

$$\begin{aligned} \text{圧力損失 } P &= \frac{\text{抵抗係数} \times r \times (V)^2}{2} \\ &= \frac{10 \times 1.2055 \times (1.5)^2}{2} \\ &= 13.56 \text{ Pa} \end{aligned}$$

|                               |        |
|-------------------------------|--------|
| 抵抗係数                          | 10.0   |
| r : 空気密度 (kg/m <sup>3</sup> ) | 1.2055 |
| v : 面風速 (m/sec)               | 1.5    |

：空気温度 ( 20 )

$$\text{空気の比重量} = \frac{353.2}{273 + 20} \times 1.2055$$

| 種類<br>(羽根ピッチP)                    | 羽根形状  | 流量係数 | 抵抗係数 | 面風速 V   | 通過風速      | 圧力損失 P |
|-----------------------------------|---|------|------|---------|-----------|--------|
|                                   |   |      |      | [m/sec] | [ m/sec ] | [ Pa ] |
| SL-100/70Hi<br>開口率 70 %<br>(P=30) |  | 0.32 | 10.0 | 0.5     | 0.71      | 1.51   |
|                                   |   |      |      | 1.0     | 1.43      | 6.03   |
|                                   |   |      |      | 1.5     | 2.14      | 13.56  |
|                                   |   |      |      | 2.0     | 2.86      | 24.11  |
|                                   |   |      |      | 2.5     | 3.57      | 37.67  |
|                                   |   |      |      | 3.0     | 4.29      | 54.25  |
|                                   |   |      |      | 3.5     | 5.00      | 73.83  |
|                                   |   |      |      | 4.0     | 5.71      | 96.44  |
|                                   |   |      |      | 4.5     | 6.43      | 122.05 |
|                                   |   |      |      | 5.0     | 7.14      | 150.68 |

圧力損失グラフ

