

1. Unique identification code of the product-type: Group codes: **PV1**
Product name: **Vertical Plan**
2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): **Batch number, see packaging of the product.**
3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: **In heating systems in buildings**
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

Stelrad Radiator Group Limited
69-75 Side
Newcastle Upon Tyne, NE1 3JE
United Kingdom
dop@srgl.com

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): **Not applicable**
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: **System 3**
7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

CETIAT, Domaine Scientifique de la Doua
25 Avenue des Arts, BP 52042
69603 Villeurbanne Cedex - France
Identification number: 1623

performed the assessment and evaluation of the product under system 3 by determination of the product-type on the basis of type testing and issued the corresponding test reports.


8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued: **Not applicable**
9. Declared performance:

| Characteristic | Performance | Harmonized technical specification |
|--|--|------------------------------------|
| Reaction to fire | A1 | EN 442-1:2014 |
| Release of dangerous substances | None | |
| Pressure tightness | No leakage at 1.3 x maximum operating pressure. Max. operating pressure: 1000 kPa | |
| Surface temperature | Maximum 110 °C | |
| Resistance to pressure | No failure at 1.69 x maximum operating pressure (kPa) | |
| Rated thermal outputs | See Annex 1 | |
| Thermal output in different operating conditions (<i>characteristic curve</i>) | $\Phi = (K_M \times \Delta T^n) \times L/1000$ (K_M , n and L : see Annex 1) | |
| Durability as: | | |
| Resistance against corrosion | No corrosion after 100h humidity | |
| Resistance against minor impact | Class 0 | |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Sylvain Berthet, R&D Director
Herentals, 10/07/2018

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Annex 1

| PV1 | | | | | | |
|-----|--------|--------|-----------------|------|--------|---------|
| T | H (mm) | L (mm) | Heat output (W) | | n | Km |
| | | | ΔT50 | ΔT30 | | |
| 11 | 1600 | 0300 | 588 | 302 | 1,3051 | 11,8771 |
| 11 | 1600 | 0400 | 784 | 403 | 1,3051 | 11,8771 |
| 11 | 1600 | 0500 | 980 | 503 | 1,3051 | 11,8771 |
| 11 | 1600 | 0600 | 1175 | 603 | 1,3051 | 11,8771 |
| 11 | 1600 | 0700 | 1371 | 704 | 1,3051 | 11,8771 |
| 20 | 1600 | 0300 | 693 | 362 | 1,2706 | 16,0288 |
| 20 | 1600 | 0400 | 924 | 483 | 1,2706 | 16,0288 |
| 20 | 1600 | 0500 | 1155 | 604 | 1,2706 | 16,0288 |
| 20 | 1600 | 0600 | 1386 | 724 | 1,2706 | 16,0288 |
| 20 | 1600 | 0700 | 1617 | 845 | 1,2706 | 16,0288 |
| 21 | 1600 | 0300 | 842 | 432 | 1,3076 | 16,8587 |
| 21 | 1600 | 0400 | 1123 | 576 | 1,3076 | 16,8587 |
| 21 | 1600 | 0500 | 1404 | 720 | 1,3076 | 16,8587 |
| 21 | 1600 | 0600 | 1685 | 864 | 1,3076 | 16,8587 |
| 21 | 1600 | 0700 | 1966 | 1008 | 1,3076 | 16,8587 |
| 22 | 1600 | 0300 | 1026 | 522 | 1,3223 | 19,3855 |
| 22 | 1600 | 0400 | 1368 | 696 | 1,3223 | 19,3855 |
| 22 | 1600 | 0500 | 1710 | 870 | 1,3223 | 19,3855 |
| 22 | 1600 | 0600 | 2052 | 1044 | 1,3223 | 19,3855 |
| 22 | 1600 | 0700 | 2394 | 1218 | 1,3223 | 19,3855 |
| 11 | 1800 | 0300 | 640 | 329 | 1,301 | 13,1411 |
| 11 | 1800 | 0400 | 853 | 439 | 1,301 | 13,1411 |
| 11 | 1800 | 0500 | 1067 | 548 | 1,301 | 13,1411 |
| 11 | 1800 | 0600 | 1280 | 659 | 1,301 | 13,1411 |
| 11 | 1800 | 0700 | 1493 | 768 | 1,301 | 13,1411 |
| 20 | 1800 | 0300 | 760 | 397 | 1,2712 | 17,528 |
| 20 | 1800 | 0400 | 1013 | 529 | 1,2712 | 17,528 |
| 20 | 1800 | 0500 | 1266 | 661 | 1,2712 | 17,528 |
| 20 | 1800 | 0600 | 1519 | 793 | 1,2712 | 17,528 |
| 20 | 1800 | 0700 | 1772 | 926 | 1,2712 | 17,528 |
| 21 | 1800 | 0300 | 918 | 472 | 1,3041 | 18,6249 |
| 21 | 1800 | 0400 | 1224 | 629 | 1,3041 | 18,6249 |
| 21 | 1800 | 0500 | 1530 | 786 | 1,3041 | 18,6249 |
| 21 | 1800 | 0600 | 1836 | 943 | 1,3041 | 18,6249 |
| 21 | 1800 | 0700 | 2142 | 1100 | 1,3041 | 18,6249 |
| 22 | 1800 | 0300 | 1107 | 563 | 1,325 | 20,6962 |
| 22 | 1800 | 0400 | 1476 | 750 | 1,325 | 20,6962 |
| 22 | 1800 | 0500 | 1845 | 938 | 1,325 | 20,6962 |
| 22 | 1800 | 0600 | 2214 | 1125 | 1,325 | 20,6962 |
| 22 | 1800 | 0700 | 2583 | 1313 | 1,325 | 20,6962 |
| 11 | 2000 | 0300 | 689 | 355 | 1,2969 | 14,3865 |
| 11 | 2000 | 0400 | 919 | 474 | 1,2969 | 14,3865 |
| 11 | 2000 | 0500 | 1149 | 592 | 1,2969 | 14,3865 |
| 11 | 2000 | 0600 | 1379 | 711 | 1,2969 | 14,3865 |
| 11 | 2000 | 0700 | 1609 | 830 | 1,2969 | 14,3865 |
| 20 | 2000 | 0300 | 824 | 430 | 1,2719 | 18,9713 |
| 20 | 2000 | 0400 | 1099 | 574 | 1,2719 | 18,9713 |
| 20 | 2000 | 0500 | 1374 | 717 | 1,2719 | 18,9713 |
| 20 | 2000 | 0600 | 1649 | 861 | 1,2719 | 18,9713 |
| 20 | 2000 | 0700 | 1924 | 1005 | 1,2719 | 18,9713 |
| 21 | 2000 | 0300 | 981 | 505 | 1,3006 | 20,1775 |
| 21 | 2000 | 0400 | 1308 | 673 | 1,3006 | 20,1775 |
| 21 | 2000 | 0500 | 1635 | 841 | 1,3006 | 20,1775 |
| 21 | 2000 | 0600 | 1962 | 1010 | 1,3006 | 20,1775 |
| 21 | 2000 | 0700 | 2289 | 1178 | 1,3006 | 20,1775 |
| 22 | 2000 | 0300 | 1188 | 603 | 1,3277 | 21,9772 |
| 22 | 2000 | 0400 | 1584 | 804 | 1,3277 | 21,9772 |
| 22 | 2000 | 0500 | 1980 | 1005 | 1,3277 | 21,9772 |
| 22 | 2000 | 0600 | 2376 | 1206 | 1,3277 | 21,9772 |
| 22 | 2000 | 0700 | 2772 | 1407 | 1,3277 | 21,9772 |
| 11 | 2200 | 0300 | 736 | 380 | 1,2928 | 15,6116 |
| 11 | 2200 | 0400 | 982 | 507 | 1,2928 | 15,6116 |
| 11 | 2200 | 0500 | 1227 | 634 | 1,2928 | 15,6116 |
| 11 | 2200 | 0600 | 1472 | 761 | 1,2928 | 15,6116 |
| 11 | 2200 | 0700 | 1718 | 888 | 1,2928 | 15,6116 |
| 20 | 2200 | 0300 | 887 | 463 | 1,2726 | 20,3652 |
| 20 | 2200 | 0400 | 1183 | 618 | 1,2726 | 20,3652 |

| PV1 | | | | | | |
|-----|--------|--------|-----------------|------|--------|---------|
| T | H (mm) | L (mm) | Heat output (W) | | n | Km |
| | | | ΔT50 | ΔT30 | | |
| 20 | 2200 | 0500 | 1479 | 772 | 1,2726 | 20,3652 |
| 20 | 2200 | 0600 | 1775 | 927 | 1,2726 | 20,3652 |
| 20 | 2200 | 0700 | 2071 | 1081 | 1,2726 | 20,3652 |
| 21 | 2200 | 0300 | 1053 | 543 | 1,2972 | 21,9484 |
| 21 | 2200 | 0400 | 1404 | 724 | 1,2972 | 21,9484 |
| 21 | 2200 | 0500 | 1755 | 905 | 1,2972 | 21,9484 |
| 21 | 2200 | 0600 | 2106 | 1086 | 1,2972 | 21,9484 |
| 21 | 2200 | 0700 | 2457 | 1267 | 1,2972 | 21,9484 |
| 22 | 2200 | 0300 | 1269 | 643 | 1,3304 | 23,229 |
| 22 | 2200 | 0400 | 1692 | 858 | 1,3304 | 23,229 |
| 22 | 2200 | 0500 | 2115 | 1072 | 1,3304 | 23,229 |
| 22 | 2200 | 0600 | 2538 | 1286 | 1,3304 | 23,229 |
| 22 | 2200 | 0700 | 2961 | 1501 | 1,3304 | 23,229 |