

Thermopanel V4 Plan

Finland - Purmo



- Joustava asennus
- Asennusvalmis
- Siisti muotoilu
- EPD-sertifioitu
- Kustannustehokas

Kuvaus

Thermopanel V4 Plan tarjoaa edistyksellisen lämmitysratkaisun tyylikkäällä muotoilulla. Se toimitetaan asennusvalmiina kaikkine tarvittavine komponentteineen, mikä takaa vaivattoman käyttöönoton. Ainutlaatuinen, radiaattorin runkoon piilotettu V4-liitäntäjärjestelmä mahdollistaa siistin asennuksen ilman näkyviä putkia joko alhaalta tai sivulta. Sen joustavat asennusvaihtoehdot pienentävät projektikustannuksia, sillä ne poistavat erikoistilausradiaattoreiden tarpeen. Tuote on EPD-sertifioitu, mikä korostaa sen pienempää ympäristöjalanjälkeä. Sitä on saatavana eri mitoissa eri tiloihin sopivaksi, ja se takaa tasaisen lämmitystehon kaikkialla.

Käyttöalue

Thermopanel V4 Plan sopii asuin-, liike- ja julkisiin rakennuksiin, erityisesti alueille, joilla tarvitaan vankkoja lämmitysratkaisuja. Se voidaan asentaa seinälle tai lattialle, ja sen korkeus on 200 mm, mikä mahdollistaa asennuksen matalien ikkunoiden alle, tarjoten joustavuutta ja tehokkuutta kaikissa ympäristöissä.

Mitoitus

Valintaa varten ota yhteyttä suunnittelupalveluumme tai käytä esitteemme nopeaan valintaan.

Sovellusalue

Thermopanel V4 Plan toimitetaan täysin varusteltuna seinäkiinnikkeillä, tulppilla, ilmanipalla, Flamingo (FLA) venttiilillä, yläritilällä ja sivupaneeleilla, joten lisäasennusta ei tarvita. Varmista, että patteri on tukevasti kiinnitetty mukana toimitetuilla kiinnikkeillä, asennettu oikein seinään tai lattiaan ja kytketty vesikiertoiseen lämmitysjärjestelmään. Tarkista säännöllisesti ilman kertyminen ja käytä ilmanippaa sen poistamiseen. Katso tarkemmat ohjeet mukana toimitetusta käyttöoppaasta.

RT-kortisto

Thermopanel V4 Plan on monipuolinen radiaattori, joka on suunniteltu tehokkaaseen lämmitykseen erilaisissa ympäristöissä, kuten asuin-, liike- ja julkisissa rakennuksissa. Asennusvalmiina toimitettuna se sisältää seinäkiinnikkeet, pistokkeet, ilmausnipan, Flamingo (FLA) -venttiiliyksikön, yläsäleikön ja sivupaneelit. Radiaattorissa on älykäs V4-liitäntäjärjestelmä, joka on piilotettu sen tasaisen etupuolen taakse, mikä mahdollistaa siistit asennukset ilman näkyviä putkia. Saatavana useina eri korkeuksina ja leveyksinä, mikä antaa joustavuutta erilaisiin arkkitehtonisiin vaatimuksiin. Tuotteella on myös EPD-sertifiointi, joka korostaa sen pienempää ympäristöjalanjälkeä. Lisävarusteita, kuten termostaatteja ja toimilaitteita, on saatavana ohjauksen ja suorituskyvyn parantamiseksi.

Takuu

Tekniset tiedot

Ominaisuudet	Yksiköt	Arvot
Etim Class		EC011022 - Radiaattori
Materiaali		teräs
Tyyppi		11, 21, 22, 33
Etupaneelin pintarakenne		Litteä sileä
Vettäjohtava etupaneeli		No
Kosteisiin tiloihin		No
Korkeus	millimetri (mm)	300, 400, 500, 600
Pituus	millimetri (mm)	400, 700, 900, 1000, 1200, 1300, 1600, 1800, 2000, 2300, 2600, 3000
Syvyys	millimetri (mm)	62, 72, 104, 154
Lämmönluovutus EN 442 20 °C - 55/45	watti (W)	110, 141, 152, 171, 192 ... 2208, 2210, 2327, 2538, 2549
Lämmönluovutus EN 442 20 °C - 75/65	watti (W)	212, 272, 293, 329, 370 ... 4332, 4358, 4618, 4992, 5028
Lämmön luovutus määritetty tunnustetun EN 442 laboratorion mukaan		Yes
N-eksponentti		1.2786, 1.282, 1.2824, 1.2827, 1.2831 ... 1.3197, 1.3245, 1.3295, 1.3331, 1.3417
Enimmäiskäyttöpaine	baari (bar)	10
Vesitilavuus	litra (l)	0.68, 0.88, 1.08, 1.19, 1.28 ... 17.42, 17.64, 19.6, 19.8, 20.1
Vakioväri		Yes
Väri		valkoinen
RAL-numero		9016
Kiiltoaste		kiiltävä
Hitsatut kannakepidikkeet		No
Päätylevyllä		Yes
Päälliritillä		Yes
Liitântöjen lukumäärä		4
Yhteys 1, vasemmalla alhaalla		Kaksinkertainen liitântä, sisäänmeno-ulostulo
Yhteys 2, vasen puoli alhaalla		Kaksinkertainen liitântä, sisäänmeno-ulostulo
Yhteys 7, oikea puoli alhaalla		Kaksinkertainen liitântä, sisäänmeno-ulostulo
Yhteys 8, alhaalla oikealla		Kaksinkertainen liitântä, ulostulo-sisäänmeno
Kierrelitântä		ulkokierre

Ominaisuudet	Yksiköt	Arvot
Ilmastusliitoksella		Yes
Ilmaruuvilla		Yes
Tyhjennysmahdollisuus (liitäntä)		Yes
Integroidulla venttiili-insatsilla		Yes
Seinäkanakkeella		Yes
Sokkotulpalla		Yes
Sisältää asennustarvikkeet		No
Watti per metri	wattia per metri (W/m)	529, 680, 732, 823, 929 ... 1444, 1664, 1676, 1994, 2309
Lämmönluvutus EN 442 20 ° C - 60/45	watti (W)	119, 153, 165, 185, 208 ... 2395, 2399, 2528, 2754, 2768
Asennussuunta		vaakasuuntainen
Kerroin K		1.404, 1.802, 1.969, 2.179, 2.318 ... 24.263, 24.313, 24.806, 27.709, 28.054
Lämmönluvutus EN 442 20 ° C - 45/35	watti (W)	64, 82, 88, 99, 111 ... 1253, 1257, 1312, 1442, 1445
Seinätukien määrä		2, 3
CO2/Kg ekvivalentti per kg materiaalia		2.8
CO2/Kg ekvivalenttia per KW toimitetusta lämmöstä artikkeleiden kautta		54.66
Paino	kilogramma (kg)	1.636, 2.13, 2.225, 2.282, 2.35 ... 93.496, 94.324, 105.08, 107.43, 111.52

Dokumentaatio

Asiakirjan kuvaus	Asiakirjan tyyppi	Link
"Bottom, left side connection ETIM 11. Thanks to the V4 connector left side connection is possible."	Dimensional Drawing	https://asset.productmarketingcloud.com/api/assetstorage/3577_1f375f76-a227-4580-8ac6-e6a2f448f6a9
"Bottom, right side connection ETIM 88. Thanks to the V4 connector right side connection is possible."	Dimensional Drawing	https://asset.productmarketingcloud.com/api/assetstorage/3577_55bf554a-7b00-4ea3-af9d-418ec0e2c7ba
Thermopanel Plan, front view left	Dimensional Drawing	https://asset.productmarketingcloud.com/api/assetstorage/3577_005f46e5-2e52-4481-ac2c-3681de647cf6
Thermopanel Plan, front view right	Dimensional Drawing	https://asset.productmarketingcloud.com/api/assetstorage/3577_62b8dda4-a471-493c-bcd0-ec925f5eb41a
Thermopanel Plan and Ramo, type 11 left, top view	Dimensional Drawing	https://asset.productmarketingcloud.com/api/assetstorage/3577_e82b18a1-3ea5-4726-91ba-733d93580010
Thermopanel Plan and Ramo, type 11 right, top view	Dimensional Drawing	https://asset.productmarketingcloud.com/api/assetstorage/3577_78917a21-cbd4-41f2-9259-b2b03febb8a5
Thermopanel Plan and Ramo, type 11, side view with Monclac wall brackets, ETIM 42	Dimensional Drawing	https://asset.productmarketingcloud.com/api/assetstorage/3577_86edbf3c-329e-4fee-9319-399182db7a2c
Thermopanel Plan and Ramo, type 21, side view with Monclac wall brackets	Dimensional Drawing	https://asset.productmarketingcloud.com/api/assetstorage/3577_7439ffc0-c491-4a1b-b8cf-8e2028bb5b44
Thermopanel Plan and Ramo, type 21, top view	Dimensional Drawing	https://asset.productmarketingcloud.com/api/assetstorage/3577_9df50a8b-47ab-413f-b041-534ab4143ed3
Thermopanel Plan and Ramo, type 22, top view	Dimensional Drawing	https://asset.productmarketingcloud.com/api/assetstorage/3577_6146a66e-970d-44e8-ac27-60582e9480f6
Thermopanel Plan and Ramo, type 33 left, top view	Dimensional Drawing	https://asset.productmarketingcloud.com/api/assetstorage/3577_d0c0b8d6-9b2f-4eb7-8cb7-265044fc8853
Thermopanel Plan and Ramo, type 22, side view with Monclac wall brackets	Dimensional Drawing	https://asset.productmarketingcloud.com/api/assetstorage/3577_5746e780-f176-436b-a0e1-90a4278f157a
Thermopanel Plan and Ramo, type 33, side view with Monclac wall brackets	Dimensional Drawing	https://asset.productmarketingcloud.com/api/assetstorage/3577_472867f7-7496-4b6a-99bb-e20e6ac51191
Thermopanel Plan and Ramo, type 33 right, top view	Dimensional Drawing	https://asset.productmarketingcloud.com/api/assetstorage/3577_dc98fad7-6bf4-4e81-ba8d-874ea5d9008b
FLA-venttiilin kaavio: KVS, KV, ΔT2K ja äänikäyrä (kuva)	Installation Instructions	https://asset.productmarketingcloud.com/api/assetstorage/3577_0645ab7f-e130-486d-a371-4061fb6e26bc
ROT – saneerausesite	Product Catalog	https://asset.productmarketingcloud.com/api/assetstorage/3577_b3a853c7-6be

Asiakirjan kuvaus	Asiakirjan tyyppi	Link
ROT – saneerausite	Product Catalog	8-46fd-993e-2ac7198f9cbc

Artikkelit

Local Code	Tuotenumero	Osan kuvaus
	FOP1103004011S00	Thermopanel TPF 11 300x400 Right
	FOP1103004011S10	Thermopanel TPF 11 300x400 Left
	FOP1103007011S00	Thermopanel TPF 11 300x700 Right
	FOP1103007011S10	Thermopanel TPF 11 300x700 Left
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Local Code	Tuotenumero	Osan kuvaus
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	FOP2203013011S00	Thermopanel TPF 22 300x1300 Right
	FOP2203013011S10	Thermopanel TPF 22 300x1300 Left
	FOP2203016011S00	Thermopanel TPF 22 300x1600 Right
	FOP2203016011S10	Thermopanel TPF 22 300x1600 Left
	FOP2203018011S00	Thermopanel TPF 22 300x1800 Right
	FOP2203018011S10	Thermopanel TPF 22 300x1800 Left
	FOP2203020011S00	Thermopanel TPF 22 300x2000 Right
	FOP2203020011S10	Thermopanel TPF 22 300x2000 Left
	FOP2203023011S00	Thermopanel TPF 22 300x2300 Right
	FOP2203023011S10	Thermopanel TPF 22 300x2300 Left
	FOP2203026011S00	Thermopanel TPF 22 300x2600 Right
	FOP2203026011S10	Thermopanel TPF 22 300x2600 Left
	FOP2203030011S00	Thermopanel TPF 22 300x3000 Right
	FOP2203030011S10	Thermopanel TPF 22 300x3000 Left
	FOP2204004011S00	Thermopanel TPF 22 400x400 Right
	FOP2204004011S10	Thermopanel TPF 22 400x400 Left
	FOP2204007011S00	Thermopanel TPF 22 400x700 Right
	FOP2204007011S10	Thermopanel TPF 22 400x700 Left
	FOP2204009011S00	Thermopanel TPF 22 400x900 Right
	FOP2204009011S10	Thermopanel TPF 22 400x900 Left
	FOP2204010011S00	Thermopanel TPF 22 400x1000 Right
	FOP2204010011S10	Thermopanel TPF 22 400x1000 Left
	FOP2204012011S00	Thermopanel TPF 22 400x1200 Right
	FOP2204012011S10	Thermopanel TPF 22 400x1200 Left
	FOP2204013011S00	Thermopanel TPF 22 400x1300 Right
	FOP2204013011S10	Thermopanel TPF 22 400x1300 Left
	FOP2204016011S00	Thermopanel TPF 22 400x1600 Right
	FOP2204016011S10	Thermopanel TPF 22 400x1600 Left
	FOP2204018011S00	Thermopanel TPF 22 400x1800 Right
	FOP2204018011S10	Thermopanel TPF 22 400x1800 Left
	FOP2204020011S00	Thermopanel TPF 22 400x2000 Right
	FOP2204020011S10	Thermopanel TPF 22 400x2000 Left
	FOP2204023011S00	Thermopanel TPF 22 400x2300 Right
	FOP2204023011S10	Thermopanel TPF 22 400x2300 Left
	FOP2204026011S00	Thermopanel TPF 22 400x2600 Right
	FOP2204026011S10	Thermopanel TPF 22 400x2600 Left
	FOP2204030011S00	Thermopanel TPF 22 400x3000 Right
	FOP2204030011S10	Thermopanel TPF 22 400x3000 Left
	FOP2205004011S00	Thermopanel TPF 22 500x400 Right

Local Code	Tuotenumero	Osan kuvaus
	FOP2205004011S10	Thermopanel TPF 22 500x400 Left
	FOP2205007011S00	Thermopanel TPF 22 500x700 Right
	FOP2205007011S10	Thermopanel TPF 22 500x700 Left
	FOP2205009011S00	Thermopanel TPF 22 500x900 Right
	FOP2205009011S10	Thermopanel TPF 22 500x900 Left
	FOP2205010011S00	Thermopanel TPF 22 500x1000 Right
	FOP2205010011S10	Thermopanel TPF 22 500x1000 Left
	FOP2205012011S00	Thermopanel TPF 22 500x1200 Right
	FOP2205012011S10	Thermopanel TPF 22 500x1200 Left
	FOP2205013011S00	Thermopanel TPF 22 500x1300 Right
	FOP2205013011S10	Thermopanel TPF 22 500x1300 Left
	FOP2205016011S00	Thermopanel TPF 22 500x1600 Right
	FOP2205016011S10	Thermopanel TPF 22 500x1600 Left
	FOP2205018011S00	Thermopanel TPF 22 500x1800 Right
	FOP2205018011S10	Thermopanel TPF 22 500x1800 Left
	FOP2205020011S00	Thermopanel TPF 22 500x2000 Right
	FOP2205020011S10	Thermopanel TPF 22 500x2000 Left
	FOP2205023011S00	Thermopanel TPF 22 500x2300 Right
	FOP2205023011S10	Thermopanel TPF 22 500x2300 Left
	FOP2205026011S00	Thermopanel TPF 22 500x2600 Right
	FOP2205026011S10	Thermopanel TPF 22 500x2600 Left
	FOP2205030011S00	Thermopanel TPF 22 500x3000 Right
	FOP2205030011S10	Thermopanel TPF 22 500x3000 Left
	FOP2206004011S00	Thermopanel TPF 22 600x400 Right
	FOP2206004011S10	Thermopanel TPF 22 600x400 Left
	FOP2206007011S00	Thermopanel TPF 22 600x700 Right
	FOP2206007011S10	Thermopanel TPF 22 600x700 Left
	FOP2206009011S00	Thermopanel TPF 22 600x900 Right
	FOP2206009011S10	Thermopanel TPF 22 600x900 Left
	FOP2206010011S00	Thermopanel TPF 22 600x1000 Right
	FOP2206010011S10	Thermopanel TPF 22 600x1000 Left
	FOP2206012011S00	Thermopanel TPF 22 600x1200 Right
	FOP2206012011S10	Thermopanel TPF 22 600x1200 Left
	FOP2206013011S00	Thermopanel TPF 22 600x1300 Right
	FOP2206013011S10	Thermopanel TPF 22 600x1300 Left
	FOP2206016011S00	Thermopanel TPF 22 600x1600 Right
	FOP2206016011S10	Thermopanel TPF 22 600x1600 Left
	FOP2206018011S00	Thermopanel TPF 22 600x1800 Right
	FOP2206018011S10	Thermopanel TPF 22 600x1800 Left
	FOP2206020011S00	Thermopanel TPF 22 600x2000 Right
	FOP2206020011S10	Thermopanel TPF 22 600x2000 Left

Local Code	Tuotenumero	Osan kuvaus
	FOP2206023011S00	Thermopanel TPF 22 600x2300 Right
	FOP2206023011S10	Thermopanel TPF 22 600x2300 Left
	FOP2206026011S00	Thermopanel TPF 22 600x2600 Right
	FOP2206026011S10	Thermopanel TPF 22 600x2600 Left
	FOP2206030011S00	Thermopanel TPF 22 600x3000 Right
	FOP2206030011S10	Thermopanel TPF 22 600x3000 Left
	FOP3303004011S00	Thermopanel TPF 33 300x400 Right
	FOP3303004011S10	Thermopanel TPF 33 300x400 Left
	FOP3303007011S00	Thermopanel TPF 33 300x700 Right
	FOP3303007011S10	Thermopanel TPF 33 300x700 Left
	FOP3303009011S00	Thermopanel TPF 33 300x900 Right
	FOP3303009011S10	Thermopanel TPF 33 300x900 Left
	FOP3303010011S00	Thermopanel TPF 33 300x1000 Right
	FOP3303010011S10	Thermopanel TPF 33 300x1000 Left
	FOP3303012011S00	Thermopanel TPF 33 300x1200 Right
	FOP3303012011S10	Thermopanel TPF 33 300x1200 Left
	FOP3303013011S00	Thermopanel TPF 33 300x1300 Right
	FOP3303013011S10	Thermopanel TPF 33 300x1300 Left
	FOP3303016011S00	Thermopanel TPF 33 300x1600 Right
	FOP3303016011S10	Thermopanel TPF 33 300x1600 Left
	FOP3303018011S00	Thermopanel TPF 33 300x1800 Right
	FOP3303018011S10	Thermopanel TPF 33 300x1800 Left
	FOP3303020011S00	Thermopanel TPF 33 300x2000 Right
	FOP3303020011S10	Thermopanel TPF 33 300x2000 Left
	FOP3303023011S00	Thermopanel TPF 33 300x2300 Right
	FOP3303023011S10	Thermopanel TPF 33 300x2300 Left
	FOP3303026011S00	Thermopanel TPF 33 300x2600 Right
	FOP3303026011S10	Thermopanel TPF 33 300x2600 Left
	FOP3303030011S00	Thermopanel TPF 33 300x3000 Right
	FOP3303030011S10	Thermopanel TPF 33 300x3000 Left
	FOP3304004011S00	Thermopanel TPF 33 400x400 Right
	FOP3304004011S10	Thermopanel TPF 33 400x400 Left
	FOP3304007011S00	Thermopanel TPF 33 400x700 Right
	FOP3304007011S10	Thermopanel TPF 33 400x700 Left
	FOP3304009011S00	Thermopanel TPF 33 400x900 Right
	FOP3304009011S10	Thermopanel TPF 33 400x900 Left
	FOP3304010011S00	Thermopanel TPF 33 400x1000 Right
	FOP3304010011S10	Thermopanel TPF 33 400x1000 Left
	FOP3304012011S00	Thermopanel TPF 33 400x1200 Right
	FOP3304012011S10	Thermopanel TPF 33 400x1200 Left
	FOP3304013011S00	Thermopanel TPF 33 400x1300 Right

Local Code	Tuotenumero	Osan kuvaus
	FOP3304013011S10	Thermopanel TPF 33 400x1300 Left
	FOP3304016011S00	Thermopanel TPF 33 400x1600 Right
	FOP3304016011S10	Thermopanel TPF 33 400x1600 Left
	FOP3304018011S00	Thermopanel TPF 33 400x1800 Right
	FOP3304018011S10	Thermopanel TPF 33 400x1800 Left
	FOP3304020011S00	Thermopanel TPF 33 400x2000 Right
	FOP3304020011S10	Thermopanel TPF 33 400x2000 Left
	FOP3304023011S00	Thermopanel TPF 33 400x2300 Right
	FOP3304023011S10	Thermopanel TPF 33 400x2300 Left
	FOP3304026011S00	Thermopanel TPF 33 400x2600 Right
	FOP3304026011S10	Thermopanel TPF 33 400x2600 Left
	FOP3304030011S00	Thermopanel TPF 33 400x3000 Right
	FOP3304030011S10	Thermopanel TPF 33 400x3000 Left
	FOP3305004011S00	Thermopanel TPF 33 500x400 Right
	FOP3305004011S10	Thermopanel TPF 33 500x400 Left
	FOP3305007011S00	Thermopanel TPF 33 500x700 Right
	FOP3305007011S10	Thermopanel TPF 33 500x700 Left
	FOP3305009011S00	Thermopanel TPF 33 500x900 Right
	FOP3305009011S10	Thermopanel TPF 33 500x900 Left
	FOP3305010011S00	Thermopanel TPF 33 500x1000 Right
	FOP3305010011S10	Thermopanel TPF 33 500x1000 Left
	FOP3305012011S00	Thermopanel TPF 33 500x1200 Right
	FOP3305012011S10	Thermopanel TPF 33 500x1200 Left
	FOP3305013011S00	Thermopanel TPF 33 500x1300 Right
	FOP3305013011S10	Thermopanel TPF 33 500x1300 Left
	FOP3305016011S00	Thermopanel TPF 33 500x1600 Right
	FOP3305016011S10	Thermopanel TPF 33 500x1600 Left
	FOP3305018011S00	Thermopanel TPF 33 500x1800 Right
	FOP3305018011S10	Thermopanel TPF 33 500x1800 Left
	FOP3305020011S00	Thermopanel TPF 33 500x2000 Right
	FOP3305020011S10	Thermopanel TPF 33 500x2000 Left
	FOP3306004011S00	Thermopanel TPF 33 600x400 Right
	FOP3306004011S10	Thermopanel TPF 33 600x400 Left
	FOP3306007011S00	Thermopanel TPF 33 600x700 Right
	FOP3306007011S10	Thermopanel TPF 33 600x700 Left
	FOP3306009011S00	Thermopanel TPF 33 600x900 Right
	FOP3306009011S10	Thermopanel TPF 33 600x900 Left
	FOP3306010011S00	Thermopanel TPF 33 600x1000 Right
	FOP3306010011S10	Thermopanel TPF 33 600x1000 Left
	FOP3306012011S00	Thermopanel TPF 33 600x1200 Right
	FOP3306012011S10	Thermopanel TPF 33 600x1200 Left

Local Code	Tuotenumero	Osan kuvaus
	F0P3306013011S00	Thermopanel TPF 33 600x1300 Right
	F0P3306013011S10	Thermopanel TPF 33 600x1300 Left
	F0P3306016011S00	Thermopanel TPF 33 600x1600 Right
	F0P3306016011S10	Thermopanel TPF 33 600x1600 Left
	F0P3306018011S00	Thermopanel TPF 33 600x1800 Right
	F0P3306018011S10	Thermopanel TPF 33 600x1800 Left
	F0P3306020011S00	Thermopanel TPF 33 600x2000 Right
	F0P3306020011S10	Thermopanel TPF 33 600x2000 Left