

PAL MIDDLE EAST PIR LLC

Pre-Insulated Ducting Technology

P.O. Box: 113826, DUBAI, UAE
Tel.: +971 4 2582640 Fax: +971 4 2582641
E-mail: palme@emirates.net.ae
Website: www.pal-me.net



P.O. Box 6516, DOHA, QATAR
Tel.: +974 487 6892 / 487 6899
Fax: +974 487 6220

PAL PRE-INSULATED DUCT SYSTEM

LIST OF TEST REPORT & CERTIFICATE

| DESCRIPTION | TEST METHOD & STATEMENT | LABORATORY | CLASSIFICATION & RESULTS |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------|
| 1. Fire Propagation Index | BS 476 Part 6 | Warringtonfire - UK | Class "0" |
| 2. Surfaces Spread of Flame | BS 476 Part 7 | Warringtonfire - UK | Class "1" |
| 3. Certification of Product Listing No. 016 | BS 476 Part 6, 7 | Warringtonfire – UK, Mideast Global Safety | Class "0" |
| 4. Certificate of Factory Production Control and Product Labels | FPC Requirement Product Label Certificate of Approval ME0016 | Warringtonfire – UK, Mideast Global Safety | |
| 5. Epiradiateur Test | NFP 92-501 | Warringtonfire – UK (Ministere de l'Industrie et de la Decentralisation) | M1 |
| 5. Flame Spread Index | ASTM E-84 NFPA 255 UL 723 NFPA 101 Life Safety Code | Commercial Testing Company - USA | Class "A" |
| 6. Smoke Developed Index | ASTM E-84 NFPA 255 UL 723 NFPA 101 Life Safety Code | Commercial Testing Company - USA | Class "A" |
| 7. Toxicity Index | NES – 713 IMO Resolution MSC 61 (67) | Warringtonfire UK Warringtonfire UK | 5.7 Average S.O.D. <200 |



SMACNA Associate Member



warringtonfire - mideast
Listing No. 016
PAL Panel Class O

PAL MIDDLE EAST PIR LLC

Pre-Insulated Ducting Technology

P.O. Box: 113826, DUBAI, UAE
Tel.: +971 4 2582640 Fax: +971 4 2582641
E-mail: palme@emirates.net.ae
Website: www.pal-me.net



P.O. Box 6516, DOHA, QATAR
Tel.: +974 487 6892 / 487 6899
Fax: +974 487 6220

| DESCRIPTION | TEST METHOD & STATEMENT | LABORATORY | CLASSIFICATION & RESULTS |
|----------------------------|-------------------------|-----------------------------------|--------------------------------------------------|
| 8. Thermal Conductivity | ASTM C518 | Dubai Municipality Laboratory | 0.020 w/m.k. 0.169 Btu w/m.k. ft ² |
| 9. Compressive Strength | ASTM D1621 | Dubai Municipality Laboratory | 220.9 kpa |
| 10. Flexural Strength | ASTM C203 | Dubai Municipality Laboratory | 1170 kpa |
| 11. Panel Density | ASTM D1622 | Dubai Municipality Laboratory | 71.5 kg/m ³ |
| 12. Sound Attenuation Test | BS 2750 | Sound Research Laboratory Limited | Average SRI (100-3150 Hz) 14.1 |
| 13. Fungal Resistance Test | ASTM G21 | Biosan Laboratories - USA | No Fungal Growth |



SMACNA Associate Member



warringtonfire - mideast
Listing No. 016
PAL Panel Class O