



Test Laboratuvarları

LVT Test Laboratuvarları Ltd. Şti.

www.lvt.com.tr

Saray Modern Keresteciler Sanayi Sitesi 4.Cadde No:9 Kazan / ANKARA

Tel: 0 312 815 11 72 Faks: 0 312 815 11 74



Test
TS EN ISO/IEC 17025
AB-0341-T

AB-0341-T

LVT.D.14-
0747-R.00

09-14

DENEY RAPORU

Test Report

1/10

Müşteri : TEKPAN TEKNİK ELEKTRİK KUMANDA PANO SAN. ve TURİZM LTD. ŞTİ.
Client

Adres : ANKARA ASFALTI 14. KM. İSTİKLAL MAH. 17 SOKAK NO:8 ULUCAK -
Address KEMALPAŞA İZMİR / TURKEY

İmalatçı : TEKPAN TEKNİK ELEKTRİK KUMANDA PANO SAN. ve TURİZM LTD. ŞTİ.
Manufacturer

Deney Numunesi : DT SERIES FLOOR STANDING MODULAR PANEL WITH ONE DOOR
Test Sample

Marka : TEKPAN
Trade Mark

Deney Metodu : IEC 60529:2013
Test Method

Deney Tarihi : 10.09.2014 – 11.09.2014
Date of Test

Toplam Sayfa Sayısı : 10
Total Number of Pages

Türk Akreditasyon Kurumu (TÜRKAK) deney raporlarının tanınması konusunda Avrupa Akreditasyon Birliği (EA) ve Uluslararası Laboratuvar Akreditasyon Birliği (ILAC) ile karşılıklı tanınma antlaşmasını imzalamıştır.
The Turkish Accreditation Agency (TURKAK) is signatory to the multilateral agreements of the European co-operation for the Accreditation (EA) and of the International Laboratory Accreditation (ILAC) for the Mutual recognition of calibration certificates.

Deney ve / veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (talep halinde) ve deney metodları, bu raporun tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir.
The test and / or measurements results, the uncertainties (if required) with confidence probability and test methods are given on the following pages which are part of this report.

Mühür
Seal

Tarih
Date

Deney Sorumlusu
Person in Charge of Test

Laboratuvar Müdürü
Head of Testing Laboratory



12/09/2014

Cahit GÖKSEL

Ata Gürül ARSLANLI

**Bu rapor, Laboratuvarımızın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz.
İmzasız ve mühürsüz raporlar geçersizdir.**

This report shall not be reproduced other than in full except with the permission of the laboratory.

Testing reports without signature and seal are not valid.

FR.92 / REV04

LVT Test Laboratuvarları Ltd. Şti.

AB-0341-T

LVT.D.14-
0747-R.00

09-14

3/10

1. Numunelerin Tanımı Definition of the Samples

1.1 DT SERIES FLOOR STANDING MODULAR PANEL WITH ONE DOOR (LVT.D.14-0747-R.00-01)

Numune Kabul Tarihi : 09.09.2014
Date of Receive
Numune Seri No : Test Sample
Serial No
Beyan Koruma Derecesi IP : IP55 İç Kısımlar : -
Rated Degree of Protection Internal Part
Beyan Mekanik Darbe Kodu IK : -
Rated Mechanical Impact Code
Numune Boyutları mm : 800 x 2000 + 100 x 600
Dimensions of the Sample
Boya – Kaplama Özellikleri : Electrostatic Powder (RAL 7035)
Paint – Coating Properties
Mahfaza Montaj Şekli : Civatalı Kaynaklı
Assembly Type of Enclosure Bolt on Welded

2. DeneY Sonuçları : DeneY sonuçları, sadece deneY yapılan numunelere aittir. Test Results Test results are just belong to the tested samples.

| Numune Sample | Uygulanan DeneY Applied Test | Sonuç Result |
|--|---------------------------------|-----------------|
| DT SERIES FLOOR STANDING MODULAR PANEL WITH ONE DOOR | Protection Degree IP 55 | Passed |

3. Çevre Şartları Environmental Conditions

- 3.1 Ortam Sıcaklığı : (28±3) °C
Ambient Temperature
- 3.2 Ortam Nemi : (29±3) %Rh
Ambient Moisture

4. DeneY Metodundan Sapma, Ekleme ve Çıkmalar : DeneYler; standart deneY methoduna göre uygulanmıştır. Deviations, Additions & Cutbacks from the Test Method Tests were made according to the clauses of the relevant standards.

5. Şartnamelere Uygunluk (Gerekli Hallerde) : - Conformity to Specifications (If Necessary)

6. Ölçüm Belirsizliği (Talep Halinde) : Talep Edilmemiştir. Uncertainty of Measurement (If required) Not Requested

Beyan edilen genişletilmiş ölçüm belirsizliği, standart belirsizliğin k=2 olarak alınan genişletme katsayısı ile çarpımı sonucunda bulunan değerdir ve % 95 oranında güvenilirlik sağlamaktadır.
The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2 which for a normal distribution corresponds to a coverage probability of approximately 95 %.

7. Açıklama : - Explanation

8. Dağıtım Bilgileri : TEKPAN TEKNİK ELEKTRİK KUMANDA PANO SAN. ve TURİZM LTD. ŞTİ. Distribution Information

AP



Koruma Derecesinin Doğrulanması

Verification of Degree of Protection

Test Laboratuvarları

9. Deney Uygulamaları : Test Applications

9.1 Tehlikeli Bölümlere Erişmeye ve Yabancı Katı Cisimlere Karşı Koruma Derecesi Degree of Protection Against Access to Hazardous Parts and Solid Foreign Objects

Deney Tarihi : 10.09.2014
Test Date

Numune No : LVT.D.14-0747-R.00-01
Sample No

Beyan Koruma Derecesi : IP55
Rated Degree of Protection

Beyan İzolasyon Gerilimi : -
Rated Insulation Voltage

9.1.1 Tehlikeli Bölümlere Erişmeye Karşı Koruma Protection Against Access to Hazardous Parts

Açıklama :
Explanation

LVT.D.14-0747-R.00-01 coded test sample was tested for IP5X.
100 mm long test probe with a diameter of 1,0 mm was pushed against possible openings and connection points of the sample with 1 N force (see pg.5). Full diameter of the probe did not pass through any points.

9.1.2 Yabancı Katı Cisimlere Karşı Koruma Protection Against Access to Solid Foreign Objects

Açıklama :
Explanation

Test was performed in the dust chamber (210x145x190 cm) with the powder circulation pump as defined in the relevant figure in the standard (see pg.6). The used amount of talcum powder was 2 kg per cubic meter of the test chamber volume.

LVT.D.14-0747-R.00-01 coded test sample was tested according to category-2 (enclosures where no pressure difference relative to the surrounding air is present) for 8 hours. On the inspection after the test ;no ingress of talcum was recorded. The sample completed the tests successfully.



Koruma Derecesinin Doğrulanması

Verification of Degree of Protection

Test Laboratuvarları

9.2 Su Girişine Karşı Koruma Derecesi

Degree of Protection Against Ingress of Water

Deney Tarihi : 11.09.2014
Test Date

Numune No : LVT.D.14-0747-R.00-01
Sample No

Beyan Koruma Derecesi : IP55
Rated Degree of Protection

Beyan İzolasyon Gerilimi : -
Rated Insulation Voltage

Açıklama :
Explanation

LVT.D.14-0747-R.00-01 coded test sample was tested for IPX5.

The tests was performed with the nozzle having inner diameter of 6,3 mm. The water flow was arranged for 12,5 lt/minute. The distance between the nozzle and the sample was measured as 2,5 meters. The water spray was applied for 7 minutes from each possible direction.

No water ingress was recorded at the end of the test.

10. Deney ve Ölçüm Bilgileri:

Test and Measuring Arrangement

| Cihaz Device | İmalatçı Manufacturer | Seri No. / Kod Serial No / Code | Sertifika No Certificate No | Kalibrasyon Tarihi Calibration Date |
|-----------------|--------------------------|------------------------------------|--------------------------------|--|
| IP Chamber | LVT | LVM 27 | - | No need to calibrate |
| Test Probe | LVT | LVM 32 | - | No need to calibrate |
| Nozzle(6,3 mm) | BASKIN MAKİNA | LVM 35 | - | No need to calibrate |
| Manometer | SİMGA | LVM 37 | 18489 | 28.11.2013 |
| Flow-meter | YORTAN | LVM 39 | 13121076 | 18.12.2013 |
| Newtonmeter | SUCCESS | LVM 42 | 13121030 | 07.12.2013 |
| T&H Device | LUTRON | LVC 04 | S13121366 | 15.12.2013 |

