

IK CODE TEST REPORT / IK KODU TEST RAPORU

IEC/EN 62262

DEGREES OF PROTECTION PROVIDED BY ENCLOSURES FOR ELECTRICAL EQUIPMENT AGAINST EXTERNAL MECHANICAL IMPACTS (IK CODE) /

DIŞ MEKANİK DARBELERE KARŞI ELEKTRİKLİ DONANIMIN MAHFAZASI İLE SAĞLANAN
KORUMA DERECELERİ (IK KODU)

Report Reference No

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Tested by (+ signature)

(Deneyi gerçekleştiren) Esat KÖSELER
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34906 Pendik / İstanbul / **TURKEY** / TÜRKİYE

Standard (Standart)

..... IEC/EN 62262:2002 & IEC/EN 60068-2-75:2014

Test procedure (Deney prosedürü)

..... **Standard IK09 Test procedure** / Standart IK09 Test Prosedürü

Non-standard test method /

Standart olmayan test metodu N/A (YOK)

Test Report Form No

(Deney Rapor Form No) ESİM62262

TRF Originator (TRF Sahibi).....

..... ESİM

Date (s) of performance of tests

(Ürün testlerinin yapılış tarihleri) 2020-03-03

Test item description (Deneye tabi tutulan cihaz)	Exterior & Ground recessed luminaire / Dış cephe ve Zemine gömme aydınlatma armatürü
Trade Mark (Ticari Marka)	HERA
Manufacturer (Üretici)	Hera Eğlence ve Mimari Aydınlatma Sistemleri A. Ş.
Model/Type reference (Model)	Tested model / Test edilen model: P02021052; Leoline® S12 615mm DMX SC Surface Mounted Medium Beam 30° For approval models, see page 4 to 15. / Onaylanan modeller için sayfa 4 ile 15 arasına bakınız.
Ratings (Değerler)	48 Vdc

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Model description / Model tanımlaması

The tested product is P02021052; Leoline® S12 615mm DMX SC Surface Mounted Medium Beam 30° exterior luminaire. The product has electronic control circuit and remote control system. / Test edilen ürün Leoline® S12 1515mm DMX RGBW Linear Medium Beam 30° model dış cephe aydınlatma armatürüdür. Üründe elektronik kontrol devresi ve uzaktan kontrol sistemi bulunur.

The test results stated in this report of model Leoline® S12 1515mm DMX RGBW Linear Medium Beam 30° are also representative for models stated table-1 under approval models in page 4 to 15. / Bu raporda P02021052; Leoline® S12 615mm DMX SC Surface Mounted Medium Beam 30° modeli için verilen sonuçlar aynı zamanda sayfa 4 ile 15 arasındaki onaylanan modeller altındaki Tablo-1'de verilen modeller için de geçerlidir.

Leoline series products and Moleline series products are identical electrically and mechanically. The main difference between them;

- Leoline series products are designed to be used as exterior luminaire.
- Moleline series products are designed to be used as ground recessed luminaire.

/ Leoline serisi ürünler ile Moleline serisi ürünler elektriksel ve mekanik olarak birbirinin aynısıdır.

Aralarındaki temel fark;

- Leoline serisi ürünler dış cephe aydınlatma armatürü olarak kullanılması için tasarlanmıştır.
- Moleline serisi ürünler ise zemine gömme aydınlatma armatürü olarak kullanılması için tasarlanmıştır.

Approval models / Onaylanan modeller:

Table / Tablo - 1		
Model / Model	Description / Açıklama	
P02020011	Leoline® S12 315mm DMX SC Surface Mounted Narrow Beam 15°	P 1 2 3 4 X X 7 ↓ 01-Red 02-Green 03-Blue 04-Amber 05-Warm White 06-Natural White 07-Cool White
P02020XX2	Leoline® S12 315mm DMX SC Surface Mounted Medium Beam 30°	
P02020XX3	Leoline® S12 315mm DMX SC Surface Mounted Wide Beam 45°	
P02020XX4	Leoline® S12 315mm DMX SC Surface Mounted Very Wide Beam 60°	
P02020XX6	Leoline® S12 315mm DMX SC Surface Mounted Asymmetric Beam 35°+15°	
P02021XX1	Leoline® S12 615mm DMX SC Surface Mounted Narrow Beam 15°	
P02021XX2	Leoline® S12 615mm DMX SC Surface Mounted Medium Beam 30°	
P02021XX3	Leoline® S12 615mm DMX SC Surface Mounted Wide Beam 45°	
P02021XX4	Leoline® S12 615mm DMX SC Surface Mounted Very Wide Beam 60°	
P02021XX6	Leoline® S12 615mm DMX SC Surface Mounted Asymmetric Beam 35°+15°	
P02022XX1	Leoline® S12 915mm DMX SC Surface Mounted Narrow Beam 15°	
P02022XX2	Leoline® S12 915mm DMX SC Surface Mounted Medium Beam 30°	

P02022XX3	Leoline® S12 915mm DMX SC Surface Mounted Wide Beam 45°	
P02022XX4	Leoline® S12 915mm DMX SC Surface Mounted Very Wide Beam 60°	
P02022XX6	Leoline® S12 915mm DMX SC Surface Mounted Asymmetric Beam 35°+15°	
P02023XX1	Leoline® S12 1215mm DMX SC Surface Mounted Narrow Beam 15°	
P02023XX2	Leoline® S12 1215mm DMX SC Surface Mounted Medium Beam 30°	
P02023XX3	Leoline® S12 1215mm DMX SC Surface Mounted Wide Beam 45°	
P02023XX4	Leoline® S12 1215mm DMX SC Surface Mounted Very Wide Beam 60°	
P02023XX6	Leoline® S12 1215mm DMX SC Surface Mounted Asymmetric Beam 35°+15°	
P02024XX1	Leoline® S12 1515mm DMX SC Surface Mounted Narrow Beam 15°	
P02024XX2	Leoline® S12 1515mm DMX SC Surface Mounted Medium Beam 30°	
P02024XX3	Leoline® S12 1515mm DMX SC Surface Mounted Wide Beam 45°	
P02024XX4	Leoline® S12 1515mm DMX SC Surface Mounted Very Wide Beam 60°	
P02024XX6	Leoline® S12 1515mm DMX SC Surface Mounted Asymmetric Beam 35°+15°	
P02020081	Leoline® S12 315mm DMX RGB Surface Mounted Narrow Beam 15°	
P02020082	Leoline® S12 315mm DMX RGB Surface Mounted Medium Beam 30°	
P02020083	Leoline® S12 315mm DMX RGB Surface Mounted Wide Beam 45°	
P02020084	Leoline® S12 315mm DMX RGB Surface Mounted Very Wide Beam 60°	
P02020086	Leoline® S12 315mm DMX RGB Surface Mounted Asymmetric Beam 35°+15°	
P02021081	Leoline® S12 615mm DMX RGB Surface Mounted Narrow Beam 15°	
P02021082	Leoline® S12 615mm DMX RGB Surface Mounted Medium Beam 30°	
P02021083	Leoline® S12 615mm DMX RGB Surface Mounted Wide Beam 45°	
P02021084	Leoline® S12 615mm DMX RGB Surface Mounted Very Wide Beam 60°	
P02021086	Leoline® S12 615mm DMX RGB Surface Mounted Asymmetric Beam 35°+15°	
P02022081	Leoline® S12 915mm DMX RGB Surface Mounted Narrow Beam 15°	
P02022082	Leoline® S12 915mm DMX RGB Surface Mounted Medium Beam 30°	
P02022083	Leoline® S12 915mm DMX RGB Surface Mounted Wide Beam 45°	
P02022084	Leoline® S12 915mm DMX RGB Surface Mounted Very Wide Beam 60°	
P02022086	Leoline® S12 915mm DMX RGB Surface Mounted Asymmetric Beam 35°+15°	
P02023081	Leoline® S12 1215mm DMX RGB Surface Mounted Narrow Beam 15°	

	Beam 15°	
P02023082	Leoline® S12 1215mm DMX RGB Surface Mounted Medium Beam 30°	
P02023083	Leoline® S12 1215mm DMX RGB Surface Mounted Wide Beam 45°	
P02023084	Leoline® S12 1215mm DMX RGB Surface Mounted Very Wide Beam 60°	
P02023086	Leoline® S12 1215mm DMX RGB Surface Mounted Asymmetric Beam 35°+15°	
P02024081	Leoline® S12 1515mm DMX RGB Surface Mounted Narrow Beam 15°	
P02024082	Leoline® S12 1515mm DMX RGB Surface Mounted Medium Beam 30°	
P02024083	Leoline® S12 1515mm DMX RGB Surface Mounted Wide Beam 45°	
P02024084	Leoline® S12 1515mm DMX RGB Surface Mounted Very Wide Beam 60°	
P02024086	Leoline® S12 1515mm DMX RGB Surface Mounted Asymmetric Beam 35°+15°	
P02020101	Leoline® S12 315mm DMX RGBW Surface Mounted Narrow Beam 15°	
P02020102	Leoline® S12 315mm DMX RGBW Surface Mounted Medium Beam 30°	
P02020103	Leoline® S12 315mm DMX RGBW Surface Mounted Wide Beam 45°	
P02020104	Leoline® S12 315mm DMX RGBW Surface Mounted Very Wide Beam 60°	
P02020106	Leoline® S12 315mm DMX RGBW Surface Mounted Asymmetric Beam 35°+15°	
P02021101	Leoline® S12 615mm DMX RGBW Surface Mounted Narrow Beam 15°	
P02021102	Leoline® S12 615mm DMX RGBW Surface Mounted Medium Beam 30°	
P02021103	Leoline® S12 615mm DMX RGBW Surface Mounted Wide Beam 45°	
P02021104	Leoline® S12 615mm DMX RGBW Surface Mounted Very Wide Beam 60°	
P02021106	Leoline® S12 615mm DMX RGBW Surface Mounted Asymmetric Beam 35°+15°	
P02022101	Leoline® S12 915mm DMX RGBW Surface Mounted Narrow Beam 15°	
P02022102	Leoline® S12 915mm DMX RGBW Surface Mounted Medium Beam 30°	
P02022103	Leoline® S12 915mm DMX RGBW Surface Mounted Wide Beam 45°	
P02022104	Leoline® S12 915mm DMX RGBW Surface Mounted Very Wide Beam 60°	
P02022106	Leoline® S12 915mm DMX RGBW Surface Mounted Asymmetric Beam 35°+15°	
P02023101	Leoline® S12 1215mm DMX RGBW Surface Mounted Narrow Beam 15°	
P02023102	Leoline® S12 1215mm DMX RGBW Surface Mounted Medium Beam 30°	
P02023103	Leoline® S12 1215mm DMX RGBW Surface Mounted Wide Beam 45°	
P02023104	Leoline® S12 1215mm DMX RGBW Surface Mounted Very Wide Beam 60°	

P02023106	Leoline® S12 1215mm DMX RGBW Surface Mounted Asymmetric Beam 35°+15°
P02024101	Leoline® S12 1515mm DMX RGBW Surface Mounted Narrow Beam 15°
P02024102	Leoline® S12 1515mm DMX RGBW Surface Mounted Medium Beam 30°
P02024103	Leoline® S12 1515mm DMX RGBW Surface Mounted Wide Beam 45°
P02024104	Leoline® S12 1515mm DMX RGBW Surface Mounted Very Wide Beam 60°
P02024106	Leoline® S12 1515mm DMX RGBW Surface Mounted Asymmetric Beam 35°+15°
P02020091	Leoline® S12 315mm DMX RGBA Surface Mounted Narrow Beam 15°
P02020092	Leoline® S12 315mm DMX RGBA Surface Mounted Medium Beam 30°
P02020093	Leoline® S12 315mm DMX RGBA Surface Mounted Wide Beam 45°
P02020094	Leoline® S12 315mm DMX RGBA Surface Mounted Very Wide Beam 60°
P02020096	Leoline® S12 315mm DMX RGBA Surface Mounted Asymmetric Beam 35°+15°
P02021091	Leoline® S12 615mm DMX RGBA Surface Mounted Narrow Beam 15°
P02021092	Leoline® S12 615mm DMX RGBA Surface Mounted Medium Beam 30°
P02021093	Leoline® S12 615mm DMX RGBA Surface Mounted Wide Beam 45°
P02021094	Leoline® S12 615mm DMX RGBA Surface Mounted Very Wide Beam 60°
P02021096	Leoline® S12 615mm DMX RGBA Surface Mounted Asymmetric Beam 35°+15°
P02022091	Leoline® S12 915mm DMX RGBA Surface Mounted Narrow Beam 15°
P02022092	Leoline® S12 915mm DMX RGBA Surface Mounted Medium Beam 30°
P02022093	Leoline® S12 915mm DMX RGBA Surface Mounted Wide Beam 45°
P02022094	Leoline® S12 915mm DMX RGBA Surface Mounted Very Wide Beam 60°
P02022096	Leoline® S12 915mm DMX RGBA Surface Mounted Asymmetric Beam 35°+15°
P02023091	Leoline® S12 1215mm DMX RGBA Surface Mounted Narrow Beam 15°
P02023092	Leoline® S12 1215mm DMX RGBA Surface Mounted Medium Beam 30°
P02023093	Leoline® S12 1215mm DMX RGBA Surface Mounted Wide Beam 45°
P02023094	Leoline® S12 1215mm DMX RGBA Surface Mounted Very Wide Beam 60°
P02023096	Leoline® S12 1215mm DMX RGBA Surface Mounted Asymmetric Beam 35°+15°
P02024091	Leoline® S12 1515mm DMX RGBA Surface Mounted Narrow Beam 15°
P02024092	Leoline® S12 1515mm DMX RGBA Surface Mounted Medium Beam 30°
P02024093	Leoline® S12 1515mm DMX RGBA Surface Mounted Wide Beam 45°

	Beam 45°
P02024094	Leoline® S12 1515mm DMX RGBA Surface Mounted Very Wide Beam 60°
P02024096	Leoline® S12 1515mm DMX RGBA Surface Mounted Asymmetric Beam 35°+15°
P02020121	Leoline® S12 315mm DMX DW Surface Mounted Narrow Beam 15°
P02020122	Leoline® S12 315mm DMX DW Surface Mounted Medium Beam 30°
P02020123	Leoline® S12 315mm DMX DW Surface Mounted Wide Beam 45°
P02020124	Leoline® S12 315mm DMX DW Surface Mounted Very Wide Beam 60°
P02020126	Leoline® S12 315mm DMX DW Surface Mounted Asymmetric Beam 35°+15°
P02021121	Leoline® S12 615mm DMX DW Surface Mounted Narrow Beam 15°
P02021122	Leoline® S12 615mm DMX DW Surface Mounted Medium Beam 30°
P02021123	Leoline® S12 615mm DMX DW Surface Mounted Wide Beam 45°
P02021124	Leoline® S12 615mm DMX DW Surface Mounted Very Wide Beam 60°
P02021126	Leoline® S12 615mm DMX DW Surface Mounted Asymmetric Beam 35°+15°
P02022121	Leoline® S12 915mm DMX DW Surface Mounted Narrow Beam 15°
P02022122	Leoline® S12 915mm DMX DW Surface Mounted Medium Beam 30°
P02022123	Leoline® S12 915mm DMX DW Surface Mounted Wide Beam 45°
P02022124	Leoline® S12 915mm DMX DW Surface Mounted Very Wide Beam 60°
P02022126	Leoline® S12 915mm DMX DW Surface Mounted Asymmetric Beam 35°+15°
P02023121	Leoline® S12 1215mm DMX DW Surface Mounted Narrow Beam 15°
P02023122	Leoline® S12 1215mm DMX DW Surface Mounted Medium Beam 30°
P02023123	Leoline® S12 1215mm DMX DW Surface Mounted Wide Beam 45°
P02023124	Leoline® S12 1215mm DMX DW Surface Mounted Very Wide Beam 60°
P02023126	Leoline® S12 1215mm DMX DW Surface Mounted Asymmetric Beam 35°+15°
P02024121	Leoline® S12 1515mm DMX DW Surface Mounted Narrow Beam 15°
P02024122	Leoline® S12 1515mm DMX DW Surface Mounted Medium Beam 30°
P02024123	Leoline® S12 1515mm DMX DW Surface Mounted Wide Beam 45°
P02024124	Leoline® S12 1515mm DMX DW Surface Mounted Very Wide Beam 60°
P02024126	Leoline® S12 1515mm DMX DW Surface Mounted Asymmetric Beam 35°+15°
P02025101	Leoline® M6 315mm DMX RGBW Surface Mounted Narrow Beam 10°

P02025102	Leoline® M6 315mm DMX RGBW Surface Mounted Medium Beam 25°
P02025103	Leoline® M6 315mm DMX RGBW Surface Mounted Wide Beam 35°
P02025104	Leoline® M6 315mm DMX RGBW Surface Mounted Asymmetric Beam 12+40°
P02025106	Leoline® M6 315mm DMX RGBW Surface Mounted Asymmetric Beam 40+12°
P02026101	Leoline® M6 615mm DMX RGBW Surface Mounted Narrow Beam 10°
P02026102	Leoline® M6 615mm DMX RGBW Surface Mounted Medium Beam 25°
P02026103	Leoline® M6 615mm DMX RGBW Surface Mounted Wide Beam 35°
P02026104	Leoline® M6 615mm DMX RGBW Surface Mounted Asymmetric Beam 12+40°
P02026106	Leoline® M6 615mm DMX RGBW Surface Mounted Asymmetric Beam 40+12°
P02027101	Leoline® M6 915mm DMX RGBW Surface Mounted Narrow Beam 10°
P02027102	Leoline® M6 915mm DMX RGBW Surface Mounted Medium Beam 25°
P02027103	Leoline® M6 915mm DMX RGBW Surface Mounted Wide Beam 35°
P02027104	Leoline® M6 915mm DMX RGBW Surface Mounted Asymmetric Beam 12+40°
P02027106	Leoline® M6 915mm DMX RGBW Surface Mounted Asymmetric Beam 40+12°
P02028101	Leoline® M6 1215mm DMX RGBW Surface Mounted Narrow Beam 10°
P02028102	Leoline® M6 1215mm DMX RGBW Surface Mounted Medium Beam 25°
P02028103	Leoline® M6 1215mm DMX RGBW Surface Mounted Wide Beam 35°
P02028104	Leoline® M6 1215mm DMX RGBW Surface Mounted Asymmetric Beam 12+40°
P02028106	Leoline® M6 1215mm DMX RGBW Surface Mounted Asymmetric Beam 40+12°
P02029101	Leoline® M6 1515mm DMX RGBW Surface Mounted Narrow Beam 10°
P02029102	Leoline® M6 1515mm DMX RGBW Surface Mounted Medium Beam 25°
P02029103	Leoline® M6 1515mm DMX RGBW Surface Mounted Wide Beam 35°
P02029104	Leoline® M6 1515mm DMX RGBW Surface Mounted Asymmetric Beam 12+40°
P02029106	Leoline® M6 1515mm DMX RGBW Surface Mounted Asymmetric Beam 40+12°
P02030XX1	Moleline® S12 315mm DMX SC Inground Narrow Beam 15°
P02030XX2	Moleline® S12 315mm DMX SC Inground Medium Beam 30°
P02030XX3	Moleline® S12 315mm DMX SC Inground Wide Beam 45°
P02030XX4	Moleline® S12 315mm DMX SC Inground Wery Wide Beam 60°
P02030XX6	Moleline® S12 315mm DMX SC Inground Asymmetric Beam 35°+15°

P02031XX1	Moleline® S12 615mm DMX SC Inground Narrow Beam 15°
P02031XX2	Moleline® S12 615mm DMX SC Inground Medium Beam 30°
P02031XX3	Moleline® S12 615mm DMX SC Inground Wide Beam 45°
P02031XX4	Moleline® S12 615mm DMX SC Inground Wery Wide Beam 60°
P02031XX6	Moleline® S12 615mm DMX SC Inground Asymmetric Beam 35°+15°
P02032XX1	Moleline® S12 915mm DMX SC Inground Narrow Beam 15°
P02032XX2	Moleline® S12 915mm DMX SC Inground Medium Beam 30°
P02032XX3	Moleline® S12 915mm DMX SC Inground Wide Beam 45°
P02032XX4	Moleline® S12 915mm DMX SC Inground Wery Wide Beam 60°
P02032XX6	Moleline® S12 915mm DMX SC Inground Asymmetric Beam 35°+15°
P02033XX1	Moleline® S12 1215mm DMX SC Inground Narrow Beam 15°
P02033XX2	Moleline® S12 1215mm DMX SC Inground Medium Beam 30°
P02033XX3	Moleline® S12 1215mm DMX SC Inground Wide Beam 45°
P02033XX4	Moleline® S12 1215mm DMX SC Inground Wery Wide Beam 60°
P02033XX6	Moleline® S12 1215mm DMX SC Inground Asymmetric Beam 35°+15°
P02034XX1	Moleline® S12 1515mm DMX SC Inground Narrow Beam 15°
P02034XX2	Moleline® S12 1515mm DMX SC Inground Medium Beam 30°
P02034XX3	Moleline® S12 1515mm DMX SC Inground Wide Beam 45°
P02034XX4	Moleline® S12 1515mm DMX SC Inground Wery Wide Beam 60°
P02034XX6	Moleline® S12 1515mm DMX SC Inground Asymmetric Beam 35°+15°
P02030081	Moleline® S12 315mm DMX RGB Inground Narrow Beam 15°
P02030082	Moleline® S12 315mm DMX RGB Inground Medium Beam 30°
P02030083	Moleline® S12 315mm DMX RGB Inground Wide Beam 45°
P02030084	Moleline® S12 315mm DMX RGB Inground Wery Wide Beam 60°
P02030086	Moleline® S12 315mm DMX RGB Inground Asymmetric Beam 35°+15°
P02031081	Moleline® S12 615mm DMX RGB Inground Narrow Beam 15°
P02031082	Moleline® S12 615mm DMX RGB Inground Medium Beam 30°
P02031083	Moleline® S12 615mm DMX RGB Inground Wide Beam 45°
P02031084	Moleline® S12 615mm DMX RGB Inground Wery Wide Beam 60°
P02031086	Moleline® S12 615mm DMX RGB Inground Asymmetric Beam 35°+15°
P02032081	Moleline® S12 915mm DMX RGB Inground Narrow Beam

	15°
P02032082	Moleline® S12 915mm DMX RGB Inground Medium Beam 30°
P02032083	Moleline® S12 915mm DMX RGB Inground Wide Beam 45°
P02032084	Moleline® S12 915mm DMX RGB Inground Wery Wide Beam 60°
P02032086	Moleline® S12 915mm DMX RGB Inground Asymmetric Beam 35°+15°
P02033081	Moleline® S12 1215mm DMX RGB Inground Narrow Beam 15°
P02033082	Moleline® S12 1215mm DMX RGB Inground Medium Beam 30°
P02033083	Moleline® S12 1215mm DMX RGB Inground Wide Beam 45°
P02033084	Moleline® S12 1215mm DMX RGB Inground Wery Wide Beam 60°
P02033086	Moleline® S12 1215mm DMX RGB Inground Asymmetric Beam 35°+15°
P02034081	Moleline® S12 1515mm DMX RGB Inground Narrow Beam 15°
P02034082	Moleline® S12 1515mm DMX RGB Inground Medium Beam 30°
P02034083	Moleline® S12 1515mm DMX RGB Inground Wide Beam 45°
P02034084	Moleline® S12 1515mm DMX RGB Inground Wery Wide Beam 60°
P02034086	Moleline® S12 1515mm DMX RGB Inground Asymmetric Beam 35°+15°
P02030101	Moleline® S12 315mm DMX RGBW Inground Narrow Beam 15°
P02030102	Moleline® S12 315mm DMX RGBW Inground Medium Beam 30°
P02030103	Moleline® S12 315mm DMX RGBW Inground Wide Beam 45°
P02030104	Moleline® S12 315mm DMX RGBW Inground Wery Wide Beam 60°
P02030106	Moleline® S12 315mm DMX RGBW Inground Asymmetric Beam 35°+15°
P02031101	Moleline® S12 615mm DMX RGBW Inground Narrow Beam 15°
P02031102	Moleline® S12 615mm DMX RGBW Inground Medium Beam 30°
P02031103	Moleline® S12 615mm DMX RGBW Inground Wide Beam 45°
P02031104	Moleline® S12 615mm DMX RGBW Inground Wery Wide Beam 60°
P02031106	Moleline® S12 615mm DMX RGBW Inground Asymmetric Beam 35°+15°
P02032101	Moleline® S12 915mm DMX RGBW Inground Narrow Beam 15°
P02032102	Moleline® S12 915mm DMX RGBW Inground Medium Beam 30°
P02032103	Moleline® S12 915mm DMX RGBW Inground Wide Beam 45°
P02032104	Moleline® S12 915mm DMX RGBW Inground Wery Wide Beam 60°

P02032106	Moleline® S12 915mm DMX RGBW Inground Asymmetric Beam 35°+15°
P02033101	Moleline® S12 1215mm DMX RGBW Inground Narrow Beam 15°
P02033102	Moleline® S12 1215mm DMX RGBW Inground Medium Beam 30°
P02033103	Moleline® S12 1215mm DMX RGBW Inground Wide Beam 45°
P02033104	Moleline® S12 1215mm DMX RGBW Inground Wery Wide Beam 60°
P02033106	Moleline® S12 1215mm DMX RGBW Inground Asymmetric Beam 35°+15°
P02034101	Moleline® S12 1515mm DMX RGBW Inground Narrow Beam 15°
P02034102	Moleline® S12 1515mm DMX RGBW Inground Medium Beam 30°
P02034103	Moleline® S12 1515mm DMX RGBW Inground Wide Beam 45°
P02034104	Moleline® S12 1515mm DMX RGBW Inground Wery Wide Beam 60°
P02034106	Moleline® S12 1515mm DMX RGBW Inground Asymmetric Beam 35°+15°
P02030091	Moleline® S12 315mm DMX RGBA Inground Narrow Beam 15°
P02030092	Moleline® S12 315mm DMX RGBA Inground Medium Beam 30°
P02030093	Moleline® S12 315mm DMX RGBA Inground Wide Beam 45°
P02030094	Moleline® S12 315mm DMX RGBA Inground Wery Wide Beam 60°
P02030096	Moleline® S12 315mm DMX RGBA Inground Asymmetric Beam 35°+15°
P02031091	Moleline® S12 615mm DMX RGBA Inground Narrow Beam 15°
P02031092	Moleline® S12 615mm DMX RGBA Inground Medium Beam 30°
P02031093	Moleline® S12 615mm DMX RGBA Inground Wide Beam 45°
P02031094	Moleline® S12 615mm DMX RGBA Inground Wery Wide Beam 60°
P02031096	Moleline® S12 615mm DMX RGBA Inground Asymmetric Beam 35°+15°
P02032091	Moleline® S12 915mm DMX RGBA Inground Narrow Beam 15°
P02032092	Moleline® S12 915mm DMX RGBA Inground Medium Beam 30°
P02032093	Moleline® S12 915mm DMX RGBA Inground Wide Beam 45°
P02032094	Moleline® S12 915mm DMX RGBA Inground Wery Wide Beam 60°
P02032096	Moleline® S12 915mm DMX RGBA Inground Asymmetric Beam 35°+15°
P02033091	Moleline® S12 1215mm DMX RGBA Inground Narrow Beam 15°
P02033092	Moleline® S12 1215mm DMX RGBA Inground Medium Beam 30°
P02033093	Moleline® S12 1215mm DMX RGBA Inground Wide Beam

	45°	
P02033094	Moleline® S12 1215mm DMX RGBA Inground Wery Wide Beam 60°	
P02033096	Moleline® S12 1215mm DMX RGBA Inground Asymmetric Beam 35°+15°	
P02034091	Moleline® S12 1515mm DMX RGBA Inground Narrow Beam 15°	
P02034092	Moleline® S12 1515mm DMX RGBA Inground Medium Beam 30°	
P02034093	Moleline® S12 1515mm DMX RGBA Inground Wide Beam 45°	
P02034094	Moleline® S12 1515mm DMX RGBA Inground Wery Wide Beam 60°	
P02034096	Moleline® S12 1515mm DMX RGBA Inground Asymmetric Beam 35°+15°	
P02030121	Moleline® S12 315mm DMX DW Inground Narrow Beam 15°	
P02030122	Moleline® S12 315mm DMX DW Inground Medium Beam 30°	
P02030123	Moleline® S12 315mm DMX DW Inground Wide Beam 45°	
P02030124	Moleline® S12 315mm DMX DW Inground Wery Wide Beam 60°	
P02030126	Moleline® S12 315mm DMX DW Inground Asymmetric Beam 35°+15°	
P02031121	Moleline® S12 615mm DMX DW Inground Narrow Beam 15°	
P02031122	Moleline® S12 615mm DMX DW Inground Medium Beam 30°	
P02031123	Moleline® S12 615mm DMX DW Inground Wide Beam 45°	
P02031124	Moleline® S12 615mm DMX DW Inground Wery Wide Beam 60°	
P02031126	Moleline® S12 615mm DMX DW Inground Asymmetric Beam 35°+15°	
P02032121	Moleline® S12 915mm DMX DW Inground Narrow Beam 15°	
P02032122	Moleline® S12 915mm DMX DW Inground Medium Beam 30°	
P02032123	Moleline® S12 915mm DMX DW Inground Wide Beam 45°	
P02032124	Moleline® S12 915mm DMX DW Inground Wery Wide Beam 60°	
P02032126	Moleline® S12 915mm DMX DW Inground Asymmetric Beam 35°+15°	
P02033121	Moleline® S12 1215mm DMX DW Inground Narrow Beam 15°	
P02033122	Moleline® S12 1215mm DMX DW Inground Medium Beam 30°	
P02033123	Moleline® S12 1215mm DMX DW Inground Wide Beam 45°	
P02033124	Moleline® S12 1215mm DMX DW Inground Wery Wide Beam 60°	
P02033126	Moleline® S12 1215mm DMX DW Inground Asymmetric Beam 35°+15°	
P02034121	Moleline® S12 1515mm DMX DW Inground Narrow Beam 15°	
P02034122	Moleline® S12 1515mm DMX DW Inground Medium Beam 30°	

P02034123	Moleline® S12 1515mm DMX DW Inground Wide Beam 45°
P02034124	Moleline® S12 1515mm DMX DW Inground Wery Wide Beam 60°
P02034126	Moleline® S12 1515mm DMX DW Inground Asymmetric Beam 35°+15°
P02035101	Moleline® M6 315mm DMX RGBW Inground Narrow Beam 10°
P02035102	Moleline® M6 315mm DMX RGBW Inground Medium Beam 25°
P02035103	Moleline® M6 315mm DMX RGBW Inground Wide Beam 35°
P02035106	Moleline® M6 315mm DMX RGBW Inground Asymmetric Beam 12+40°
P02035107	Moleline® M6 315mm DMX RGBW Inground Asymmetric Beam 40+12°
P02036101	Moleline® M6 615mm DMX RGBW Inground Narrow Beam 10°
P02036102	Moleline® M6 615mm DMX RGBW Inground Medium Beam 25°
P02036103	Moleline® M6 615mm DMX RGBW Inground Wide Beam 35°
P02036106	Moleline® M6 615mm DMX RGBW Inground Asymmetric Beam 12+40°
P02036107	Moleline® M6 615mm DMX RGBW Inground Asymmetric Beam 40+12°
P02037101	Moleline® M6 915mm DMX RGBW Inground Narrow Beam 10°
P02037102	Moleline® M6 915mm DMX RGBW Inground Medium Beam 25°
P02037103	Moleline® M6 915mm DMX RGBW Inground Wide Beam 35°
P02037106	Moleline® M6 915mm DMX RGBW Inground Asymmetric Beam 12+40°
P02037107	Moleline® M6 915mm DMX RGBW Inground Asymmetric Beam 40+12°
P02038101	Moleline® M6 1215mm DMX RGBW Inground Narrow Beam 10°
P02038102	Moleline® M6 1215mm DMX RGBW Inground Medium Beam 25°
P02038103	Moleline® M6 1215mm DMX RGBW Inground Wide Beam 35°
P02038106	Moleline® M6 1215mm DMX RGBW Inground Asymmetric Beam 12+40°
P02038107	Moleline® M6 1215mm DMX RGBW Inground Asymmetric Beam 40+12°
P02039101	Moleline® M6 1515mm DMX RGBW Inground Narrow Beam 10°
P02039102	Moleline® M6 1515mm DMX RGBW Inground Medium Beam 25°
P02039103	Moleline® M6 1515mm DMX RGBW Inground Wide Beam 35°
P02039106	Moleline® M6 1515mm DMX RGBW Inground Asymmetric Beam 17+39°
P02039107	Moleline® M6 1515mm DMX RGBW Inground Asymmetric Beam 40+12°

Decision Rule / Karar Kuralı

The test results was evaluated according to whether they are within the relevant limits or not, regardless of the proximity of the test results to the limits specified in the relevant specification or standard and irrespective of the level of confidence and uncertainty of measurement. The conformity assessment was carried out in favor of the product, if the test result is of equal level to the relevant limits. / Güven düzeyini ve ölçme belirsizliğini göz önünde bulundurmaksızın, elde edilen deney sonucunun, ilgili şartname veya standartta belirtilmiş sınırlara yakınlık oranı gözetilmeksizin, ilgili sınırlar içinde olup olmadığına dayanarak uygunluğun değerlendirilmesi yapılmıştır. Alınan ölçüm sonucunun sınır değere eş olduğu durumda uygunluk değerlendirilmesi ürün lehine yapılmıştır.

Test Specifications / Test Bilgisi:**1. Reference documents / Referans dokümanlar**

IEC/EN 62262 and IEC/EN 60068-2-75 Degrees of protection provided by enclosure for electrical equipment against external mechanical impacts (IK code) / IEC/EN 62262 ve IEC/EN 60068-2-75 Dış mekanik darbelere karşı elektrik ekipman için muhafaza tarafından sağlanan koruma derecesi (IK kodu)

2. Test performed / Gerçekleştirilen test

Degree of protection provided by enclosure for external impacts IK09 / IK09 dış mekanik darbelere karşı muhafaza tarafından sağlanan koruma derecesi

3. Atmospheric conditions for tests/ Genel test koşulları

Temperature / Sıcaklık: 22 °C

Air pressure / Hava basıncı: 990 hPa

Humidity / Nem: RH: 42 %

The altitude at which the test is performed / Testlerin yapıldığı yükseklik: < 2000 m

4. Test conditions / Test koşulları

The tested enclosure has been mounted on a rigid support, according to the manufacturer's instructions for use during the test. A sufficiently rigid support with its displacement less than or equal to 0,1 mm has been used for the effect of directly application of an impact and whose energy corresponds to the degree of protection. For the verifications of IK09 five impacts have been applied on each surface in sight with the transparent diffuser enclosure.

For the above mentioned IK code test vertical hammers have been used which were defined in the IEC/EN 60068-2-75 standard. (Characteristics of impact test)

Test edilen mahafaza üretici kılavuzuda belirtildiği şekilde sert ve esnemeyen bir desteğe monte edildi. Belirtilen koruma derecesinin enerjisine tekabül eden bir darbe etkisin uygulanması için cihaz, 0,1 mm'den daha az veya buna eşit olan yer değiştirme ile yeterli derecede sağlam bir destek kullanılarak sabitlendi. IK09 doğrulanması amacıyla, sert bir destek yüzeyine karşı gelecek şekilde yerleştirilen cihaz şeffaf difüzör mahfazası yüzeyine yerleşim başına 5 darbe uygulandı.

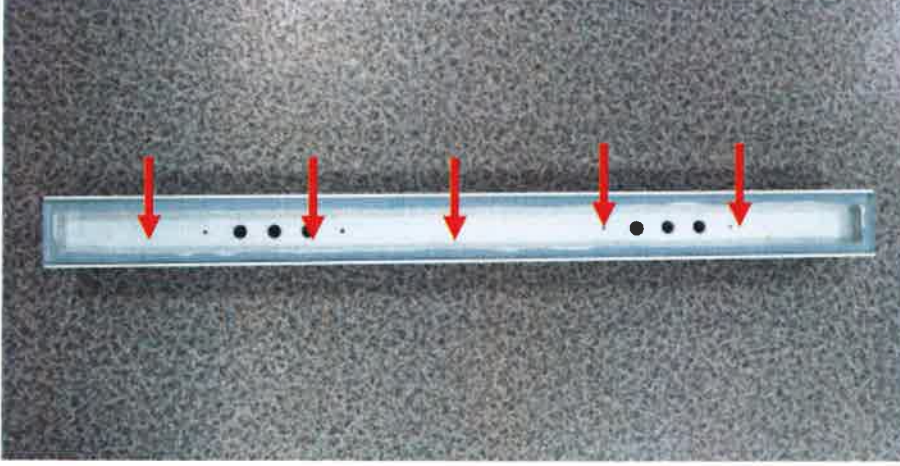
Yukarıda belirtilen IK kodunun doğrulanması için IEC /EN 60068-2-75 standardında tanımlanan dikey çekiç (Darbe testinin karakteristikleri)

5. Applied IK Code / Uygulanan IK Kodu

IK09: Energy / Enerji: 10 Joule, **Mass / Kütle:** 5 kg, **High / Yükseklik Δh:** 200 mm ±1%

6. Drop zones / Darbe bölgeleri

The areas that were focused upon for this impact test are as shown in the following photo / Darbe testinin uygulandığı alanlar aşağıdaki fotoğrafta gösterildiği gibidir.

7. IK09 drop zones photos / IK09 darbe bölgeleri fotoğrafları

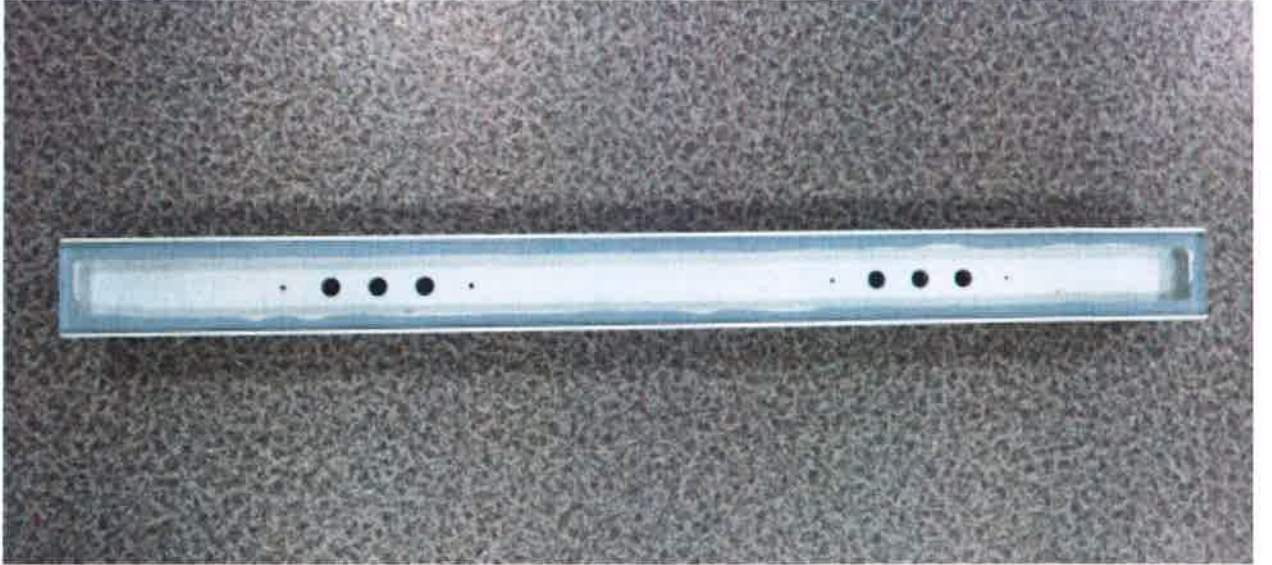
Top surface / Üst yüzey

8. Test results / Test sonuçları

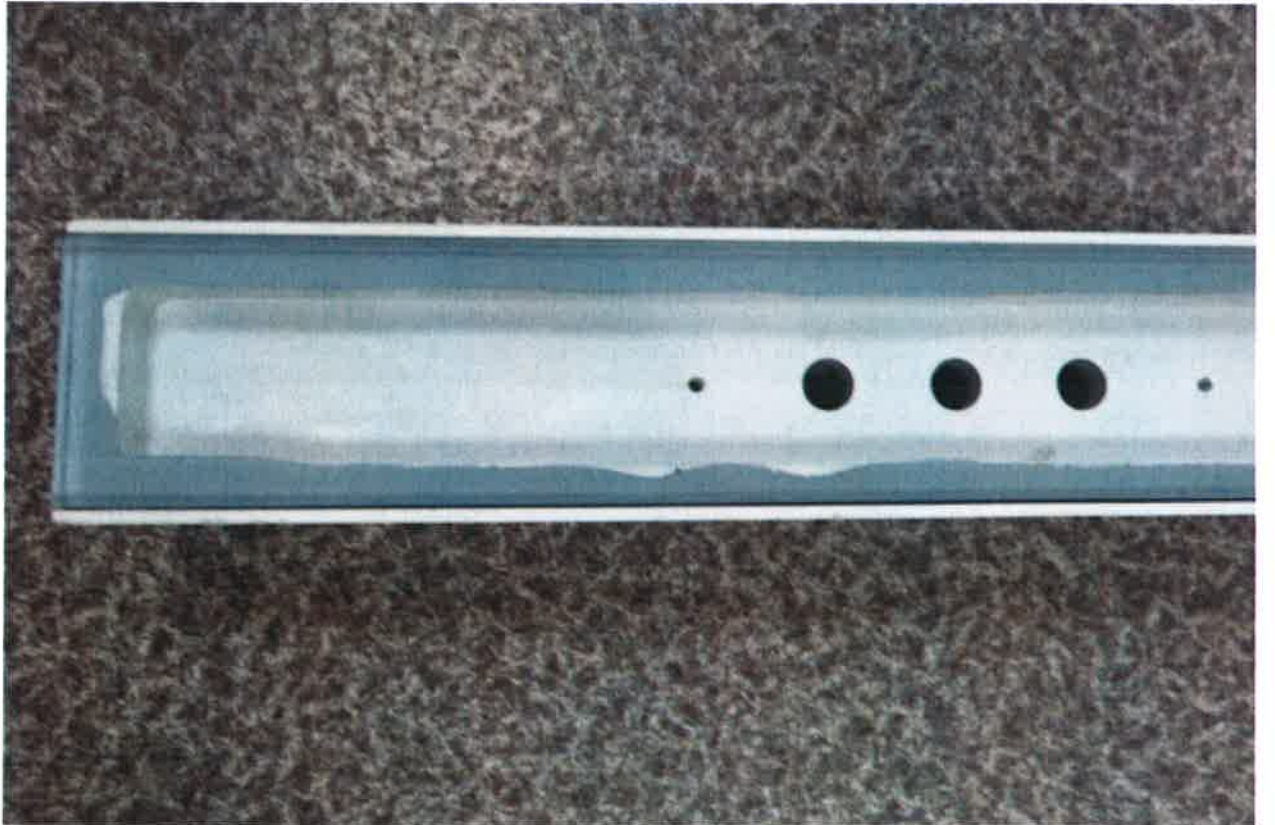
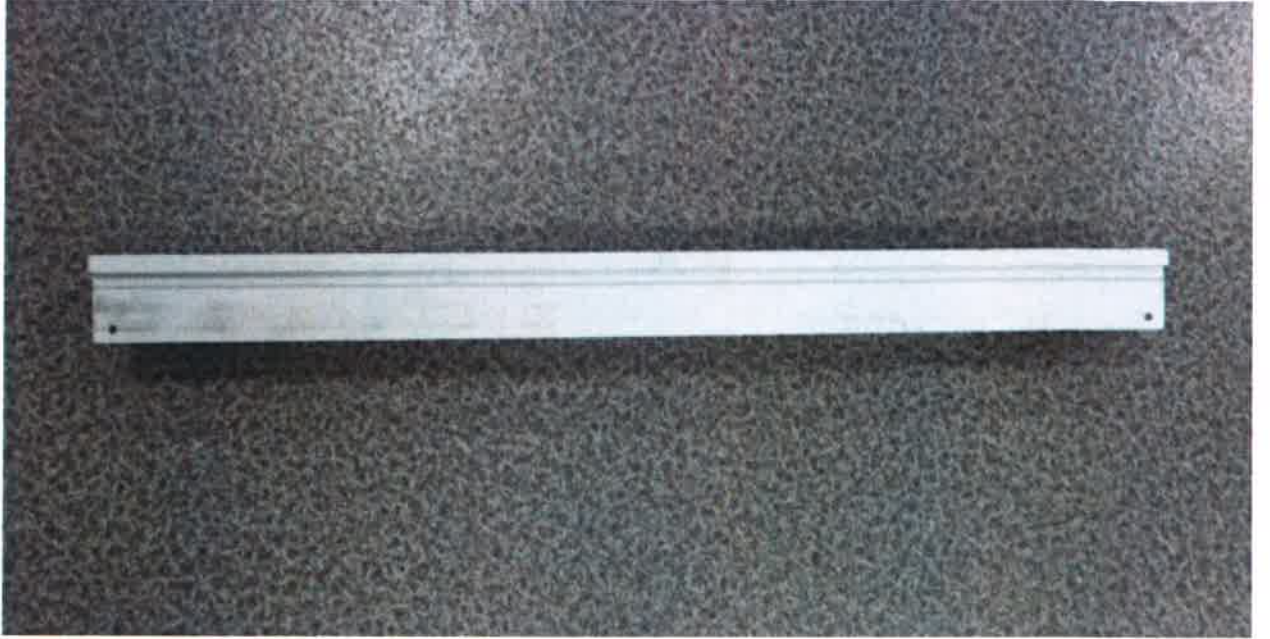
IK CODE / IK KODU	Result (Sonuç)
IK09	No damages observed of the enclosure / Mahfazasında Herhangi bir hasar gözlemlenmemiştir. PASS (BAŞARILI) (SEE PHOTOS / Resimlere Bakınız)

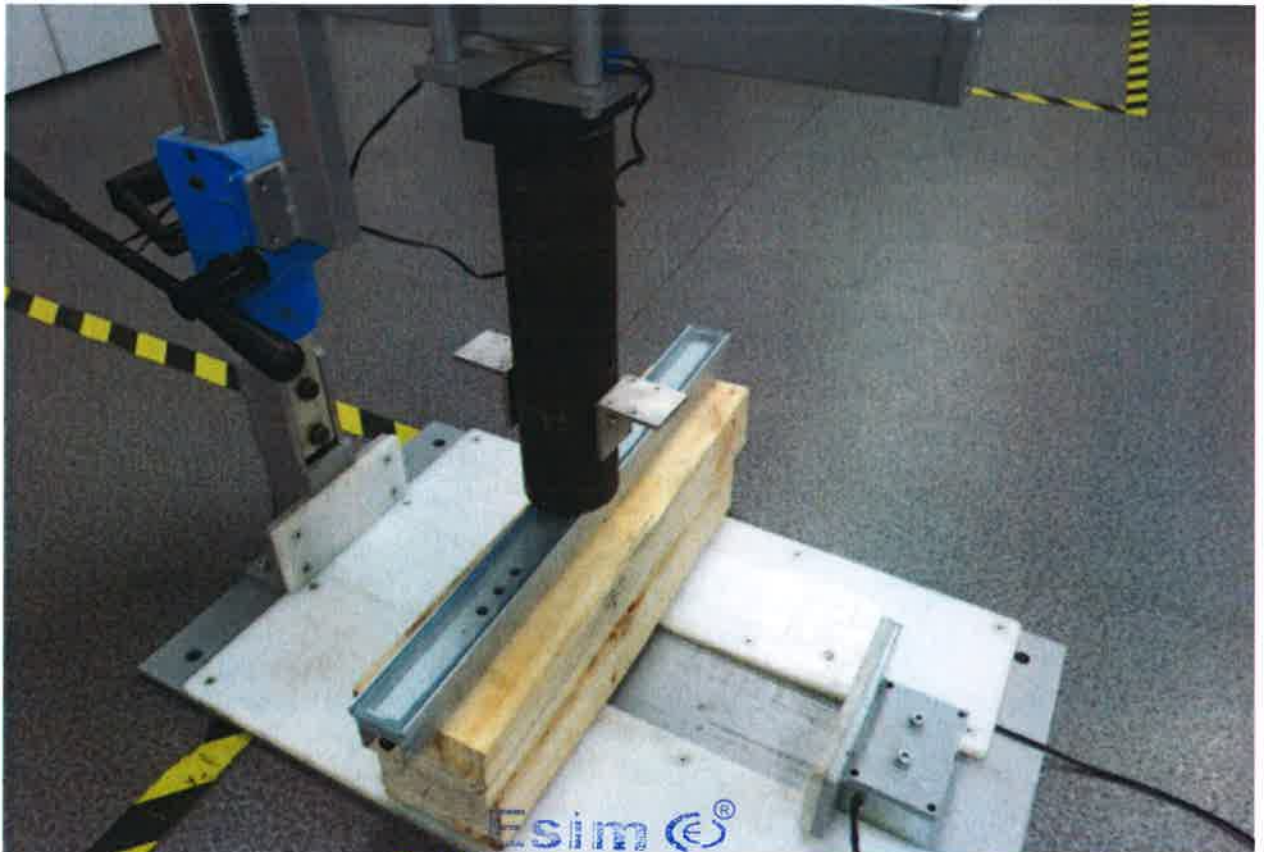
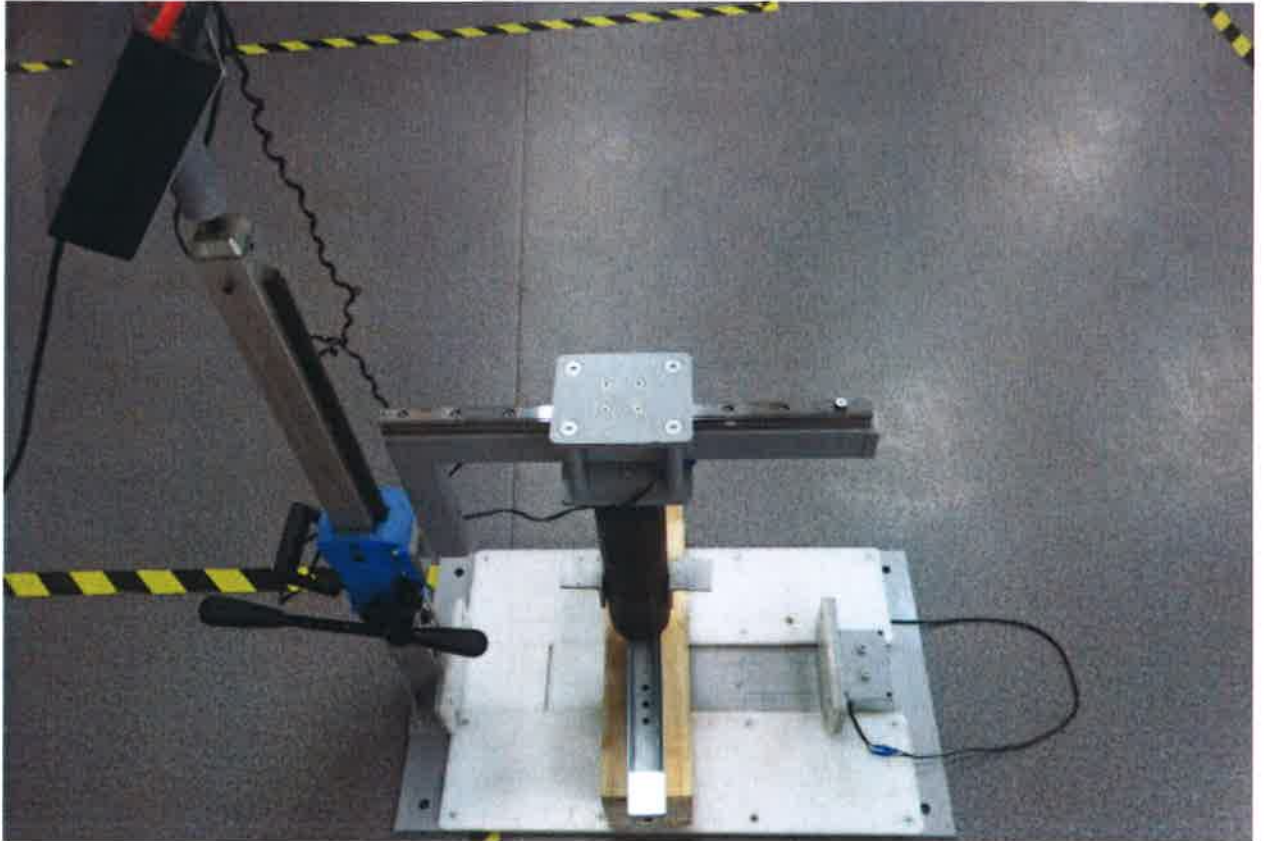
LIST OF TEST EQUIPMENT USED / KULLANILAN TEST EKİPMANLARI						
Test Equipment No. / Test cihazı numarası	Test Equipment / Test cihazı	Mark / Marka	Model/Type / Modeli/Tip	Serial No. / Seri No	Calibration Date / Kalibrasyon Tarihi	Calibration Due Date / Son Kalibrasyon Tarihi
EL1-182	IK09 10J The vertical hammer / Düşey çekiç	KBS	—	—	01/2020	01/2025
EL1-185	The vertical hammer equipment / Düşey çekiç ekipmanı	—	—	—	—	—

The test product photos / Test edilen ürün fotoğrafları



TRF No. ESIM62262
RA510-L00-00-T/E



Test photos / Test fotoğrafları:

TRF No. ESIM62262
RA510-L00-00-T/E

Test Hizmetleri Sanayi ve Ticaret A.Ş.
TOSB TAYSAD Org. San. Bölge 2 Cad. 17. Sok. No:2/5
İlyasbey V.D. 543 007 6267 Çayırova / KOCAELİ
Tic. Sic. No: 13287 Tel: (0262) 658 30 63
Mersis No: 135 403 345 178 8258

