• For wide open area design it offers linear continuity.
• Special lock system of carrier profile provides easy, secure and quick mounting.
• Different baffle panel size (W-H) and gap alternatives are possible as production.
• Perforation can be applied for design and acoustic concern.
• Different finishings are possible, RAL color, wood-a-like, Anodized…
Hygiene

High performance in blocking bacterial formation on panel surfaces by applying anti-microbial paint.

Paint

Prior to paint, sensitive surface cleaning and phosphate coverage is applied minimum 60 micron powder paint is sprayed by electrostatic system through 6 robots and cooked in a 180 meters long oven. The entire painting process takes place automatically by computer control.

Material Options

Galvanized Steel/Aluminum

Acoustic

High acoustic performance with acoustic fleece up to $\alpha_w : 1.00$

Humidity

Galvanize panel: 90% RH
Aluminum panel: 100% RH

Light Reflection

Straight Panel: 9010 Painted % 86
Perforated Panel: 9010 Painted % 72
• **Standard Wood-a-like Baffle**
  - Wood-a-like baffle ceiling system reflects wood characteristic advantages to the area, at the same time the system eliminates the disadvantage of wood product.
  - Both Galvanized/Aluminum material can be applied.

• **Angle Finished Baffle System**
  - Any angle finished is possible.
• Radial Baffle System

- Special Omega Carrier
- Splicer
- Omega Hanger Bracket

- Special Omega Carrier

1,20 mm Galvanized Steel
L: up to 3000 mm

- Splicer

1.20 mm Galvanized Steel

- Omega Hanger Bracket

1 mm Galvanized Steel
Curved Finish on Section Baffle System

Wavy baffle system does not only offer benefits of standard baffle systems such as openness, transparency but also gives a movement and wavy look to place.

- This special finishing is possible upon request.
ELEMENT SPECIFICATION

1. **Baffle Panel**
   - **T**: 0.50 mm Galvanized Steel / 0.60 mm Aluminum
   - **W**: 20 / 30 / 40 / 50 mm
   - **H**: Min 40 mm Max 300 mm

2. **End Cap**
   - **T**: 0.50 mm Galvanized Steel
   - **W**: W -1 mm
   - **H**: H -1 mm

3. **Baffle Splicer**
   - **T**: 1 mm Galvanized Steel
   - **W**: w -1 mm
   - **H**: H -1 mm

4. **Anchor**
   - **T**: Ø 6 mm Galvanized Steel
   - **H**: 25 mm

5. **Carrier Splicer**
   - **T**: 1.5 mm Galvanized Steel
   - **W**: 40 mm
   - **H**: 30 mm
   - **L**: 90 mm
STEP 4.

STEP 5.
STEP 6.

STEP 7.

STEP 8.
# Declaration of Performance

**No:** A-INT.PD20171001-01

## 1. Uniquade identification code of the product-type:

| “BUTEM” Metal Ceiling Systems |

## 2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11 (4):

| Product Type, Order/Batch Nr. |

## 3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

| Internally, to produce an installed suspended ceiling |

## 4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11 (5):

| BUTEM METAL FORM SANAYİ TİCARET A.Ş. | Osman Gazi Mahallesi Ziya Gökalp Caddesi No:10 Esenyurt Istanbul Turkey |
| T:+90 (212)886 33 00 F:+90 (212) 886 33 10 |
| www.butemmetal.com.tr |

## 5. Where applicable, name and contact address of the authorized 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:

| Systems 3 |

## 1. Column ring provide standard finishings for round columns. Concerning a construction product covered by a harmonized standard:

| (a) The manufacturer carrying out factory production control; (b) Turkish Standards Institution (TSE) / Notified Body No:1783 |
| Fire classification report (Report No: TSE-19.01.2017-1/UU50) according to TS EN 13501-1+A1:2013-04 as the notified testing laboratory (based on sampling carried out by the manufacturer). |

## 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

| Not Applicable |
Declaration of Performance

No: A-INT.PD20171001-01

9. Declared Performance

(a) Column 1 shall contain the list of essential characteristics as determined in the harmonized technical specifications for the intended use or uses indicated in point 3 above.

(b) For each essential characteristic listed in column 1 and in compliance with the requirements of Article 6, Column 2 shall contain the declared performance, expressed by level or class, or in a description, related to the corresponding essential characteristics. The letters ‘NPD’ (No Performance Determined) shall be indicated where no performance is declared.

(c) For each essential characteristic listed in column 1, column 3 shall contain:
   I-Dated reference of the corresponding harmonized standard and, where relevant, the reference number of the Specific or Appropriate Technical Documentation used; or
   II-Dated reference of the corresponding European Assessment Document where available and reference number of the European Technical Assessment used.

<table>
<thead>
<tr>
<th>Essential Characteristics</th>
<th>Performance</th>
<th>Harmonized Technical Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reaction To fire</td>
<td>A2-s1, d0</td>
<td>TS EN 13964:2014-04 + TS EN13501-1+A1:2010</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sound Absorption Single Value aw</th>
<th>Perforation Types</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ø1,5 mm</td>
</tr>
<tr>
<td>JM 60</td>
<td>-</td>
</tr>
<tr>
<td>Royalin R6/60</td>
<td>0,60</td>
</tr>
<tr>
<td>JM 60 Double</td>
<td>0,45</td>
</tr>
<tr>
<td>JM60 with 25 mm 50 kg/m3 rockwool</td>
<td>1,00</td>
</tr>
</tbody>
</table>

10. The performance of the product identified in point 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.