

H28 HOOK-ON SYSTEM

TECHNICAL DATASHEET - Rev. 1.22



TECHNICAL FEATURES

PANELS MATERIALS AND WEIGHT

- Steel: 0.6 mm: 5.52 kg/sqm
- Aluminum 0.6 mm: 1.95 kg/sqm

FINISHES

- Pre-painted galvanized steel
- Pre-painted aluminum
- Powder painted galvanized steel
- Powder painted aluminum

DIMENSIONS

Maximum length: 3200mm
Standard width: 400mm
Maximum width: 600mm

PERFORATIONS

- Unperforated panels
- Standard patterns
 - 90 degrees: 1511-2010-3015
 - 45 degrees: 1522-2020-3029
 - Square: 5525-8825

FLEXION RESISTANCE

Maximum span 1200 mm
Class 1 - EN 13964

RELATIVE HUMIDITY RESISTANCE (RH%)

Galvanized steel products: $\leq 90\%$
Pre/post-painted galvanized steel products: $> 90\%$
Stainless steel and aluminium products: $> 90\%$

FIRE REACTION (EN 13501-1)

Structure, suspensions and perimeter trims:
A1 Class
Perforated panels with acoustic fleece:
A2 s1 d0 Class

LIGHT REFLECTION

Smooth glossy white: up to 85%
ISO 7724-2 (3)

COLOR STABILITY

In compliance with technical tolerances standard.
Test according to the ΔE - CIELab method.
ISO 7724-2 (3)

CORROSION RESISTANCE

Galvanized steel products: C2 Class
Pre-painted galvanized steel products: C3 Class
Post-painted galvanized steel products: C4 Class
Pre/post-painted aluminum products: C5 Class

DIMENSIONAL TOLERANCE

Width: ± 1 mm
Length: ± 2 mm

CLEANING

Wet cloth with warm water and neutral non-abrasive detergents.

PAINTED ITEMS DURABILITY

C Class
EN 13964

GALVANIZED ITEMS DURABILITY

B Class
EN 13964

RECYCLED PRODUCT CONTENT

CAM 2.4.1.8 compliance

SUSTAINABILITY



DANGEROUS SUBSTANCES

None
CAM 2.4.1.3
EN 13964



FORMALDEHYDE

E1 Class
CAM 2.3.5.5



DISASSEMBLY

Steel - Aluminium
100% recyclable
CAM 2.4.1.1

CLEANING, MAINTENANCE AND REMOVAL INSTRUCTIONS

It is necessary to use warm water and neutral and nonabrasive detergents.

Metal ceilings maintenance usually refers to placement, alignment or replacement of damaged or broken modules (panels, staves, baffles, open cells) which can be also removed for restoration or maintenance of the system below.

Cleaning and maintenance require some attention and care even though are fast and simple operations.

In order to ensure an excellent results, the maintenance work must be carried out by qualified employees trained about setting, removal and maintenance of the metal ceilings. Using inadequate tools can damage the bearing structure, causing adherence loss or even accidental panels fall.

All the maintenance intervention must follow the technical data sheet instructions or specific information when provided and every diversity has to be promptly reported. Each worker charged with maintenance operation must carefully remove the modules, perform the intervention and do not alter the metal ceiling structure, the hanging system and the connection between these elements.

When the maintenance is over, modules must be installed again, checking that these are well hooked or positioned if they are lay-in/on on a visible structure and that the flatness of the assembly is guaranteed.

SUSTAINABILITY AND SAFETY

TRE C metal ceilings are produced with raw materials that do not release dangerous substances into the environment including formaldehyde. Coating and / or sublimation are free from Volatile Organic Compounds (VOC). The products are recyclable. The recycled material percentage is calculated for each type of product, in compliance with CAM requirements and declared according to the ISO 14021 standard.

The metal ceiling systems contribute to getting credits for the certification of building design, construction and sustainable and efficient management according to the LEED protocol and to the BREEAM and ITACA cross-cutting aspects.

STORAGE MODE

Materials supplied by TRE C shall be maintained in good condition from purchase to installation. Materials must be stored in a closed, clean and dry site, not under direct sunlight. TRE C protects its products with resistant packaging under normal handling. For carriage of packaged products on pallets, provide a mechanical transport to avoid damages or risks resulting from inadequate transport. Please handle packages with care to avoid shocks and inappropriate handling that might damage what is provided. The manual handling must be carried out with caution and in compliance with safety regulations at work.

FASTENERS

TRE C supplies the hangers and accessories such as screws, washers and nuts to connect the elements of its own supply only.

The fastening must be checked with regard to the loads, the anchoring base features and the installation accuracy, in order not to compromise the stability of the metal ceiling system.

Lightings, accessories and systems must not weigh on the metal ceiling system, but must be independently suspended.

NORMATIVE REQUIREMENTS

All TRE C metal ceilings are produced for indoor applications, in compliance with Technical Standards for Construction NTC 2018 and relative circular requirements, the Minimum Environmental Criteria CAM (Ministerial Decree 11 October 2017), the specific technical standards applicable UNI EN 13964 and 14195.

Each product has its own DOP (CE Declaration of Performance) according to the European Law for construction products 305/2011.

TRE C has adopted a quality management system in compliance with the UNI EN ISO 9001:2015 standard. The performance properties in DOP provided by TRE C are valid if the metal ceiling is installed in the environment conditions for which it has been conceived and the recommended maintenance is executed.

Precisely, metal ceilings are non-structural construction elements therefore they must be properly sized in order to withstand with adequate safety against all actions that can stress the building, such as, but not limited to, earthquakes, winds, thermal expansion, humidity, etc., in relation to the installation site, the building use and the project technical features.

Check with TRE C technical department the specific installation conditions in order to choose the most suitable product for the installation site.

In the case of outdoor installation, the metal ceilings are not covered by an harmonized technical standard,

therefore they are not subject to the regulation 305/2011. They are in any case subjected to the NTC 2018 and to the safety checks of civil constructions, and must be properly sized according to the installation site environmental conditions, to the structural features and to the project specifications.

Independently by information, suggestions, advices and technical opinions exchanged between the parts, during pre-agreement negotiations TRE C will manufacture the products only according to the orders received and the technical drawings/projects attached, having no responsibility on what is not indicated in the order, in the technical drawings or in the project.

All rights are reserved and subject to industrial protection.

Applications of the product other than those foreseen by the manufacturer, can be carried out only with explicitly authorized by TRE C. All data provided and illustrated are indicative and the manufacturer reserves the right to make changes at any time according the business needs and the production processes.

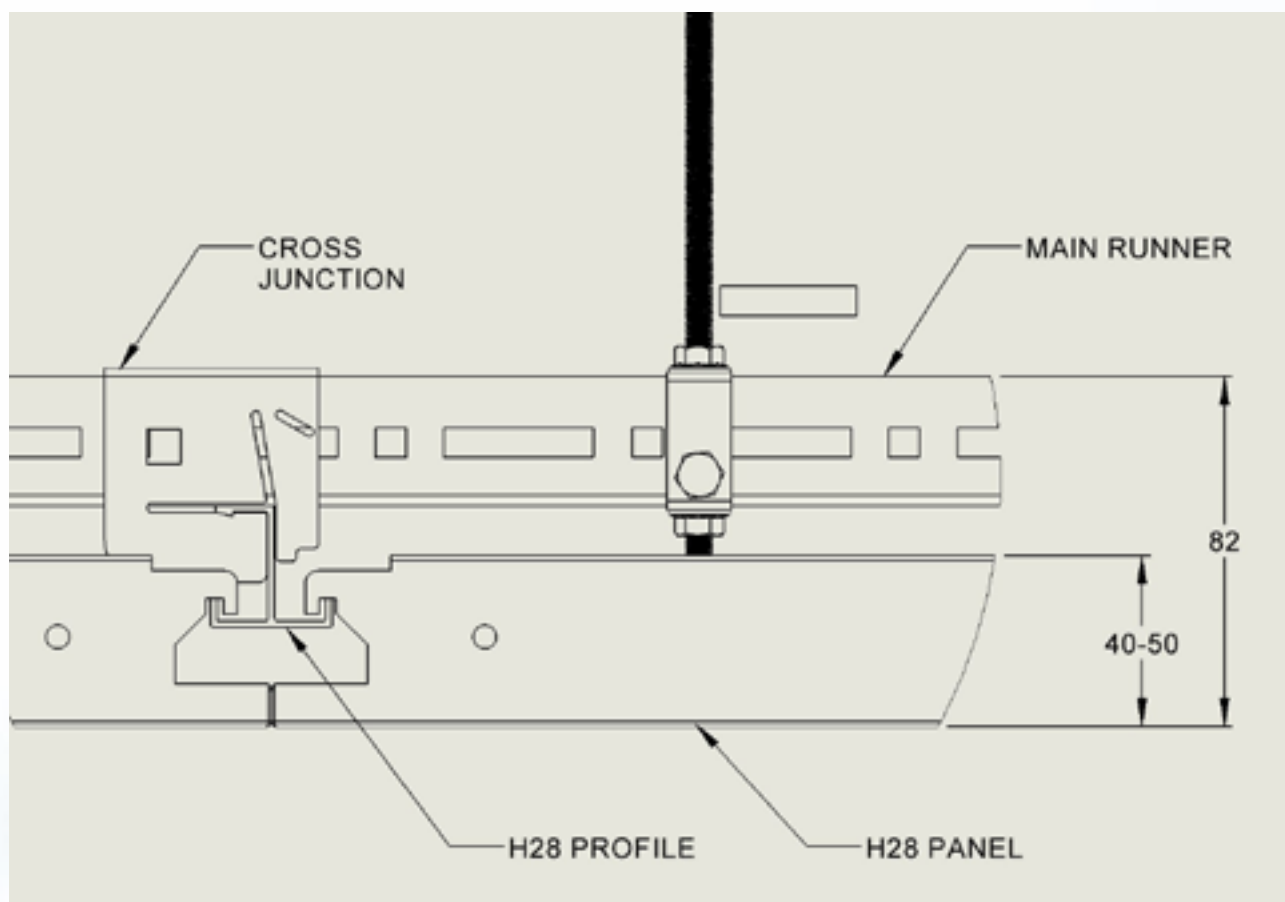
The information contained in this following sheet must to be considered updated at the date of writing. Changes in product performance occurred after that date may affect the accuracy of the data sheet. Please check that you have the latest version of this document.

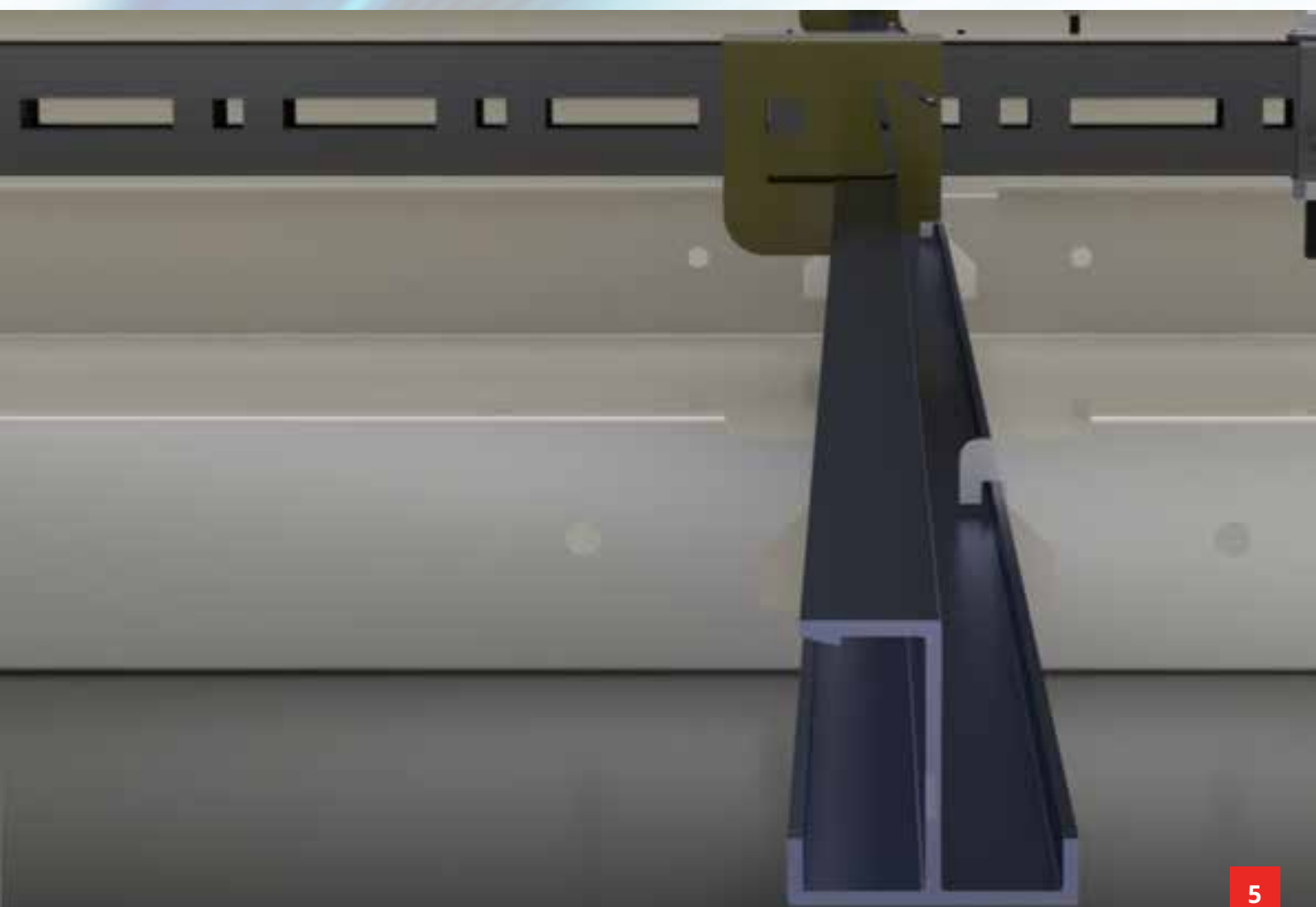
WARRANTY

TRE C as a manufacturer, covers the manufacturing defects of its products.

Except as provided in the specific warranty extensions, the warranty period is one year from delivery of goods. Any complaints must be communicated in accordance with the sales terms and conditions.

TRE C metal ceilings system components have been conceived for this purpose only, any other use is considered improper.







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Scan to add the contact to the
address book:



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Product information is based on the current state of our knowledge. Published specifications are subject to change without notice.

The suitability of the product for a specific application must be determined by the customer.

The color references shown are for illustrative purposes and may not correspond to the final effect.

The publication of these data, even partial, without the written permission of TRE C is prohibited.

For any specific request, do not hesitate to contact our sales department.



CERTIFICATE No. 36496/18/S