

**Project:**

Istanbul Grand Airport – Turkish Airlines Turkish Cargo Warehouse & Energy Center Project

**Location :**

Istanbul, Turkey

**Project completed:**

2019-2021

**Owner:**

Turkish Airlines

**Applicator/Contractor:**

Kalyon Construction Company

**Designer/Architect/Specifier:**

Ghafari

**Market sector:**

Superstructure

**Products used & amounts:**

Ucrete MF  
MasterProtect 1825  
MasterProtect 1801  
MasterTop P 617  
MasterTop BC 375 N  
MasterTop TC 468  
MasterTop BC 372  
MasterTop BC 372 Tix  
MasterTop 528  
MasterTop P 677  
MasterSeal M 689  
MasterSeal P 625  
MasterSeal 525  
MasterSeal 596  
MasterSeal 501  
MasterSeal 440  
MasterSeal CR 170  
MasterSeal P 117  
MasterFlow 928  
MasterEmaco S 488  
MasterEmaco N 600  
MasterBrace Bar 800 Cfs  
MasterTile P 300

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## Istanbul Grand Airport – Turkish Airlines Turkish Cargo Warehouse & Energy Center Project

Master Builders Solutions has been a solution partner with technological and permanent product portfolio & systems at the Mega Cargo Warehouse and Energy Center Facility of “Turkish Cargo” with 205.000m m². “Turkish Cargo” aims to become the 3<sup>rd</sup> largest air cargo brand in the world

**The background**

Turkish Airlines - Istanbul New Airport Support Facilities Project consists of Phase 1 and Cargo Facility. The total area of the projects is 970.193 m² and the total construction area is 588.136 m². The project consists of 5 regions in total.

Turkish Cargo, the world's 6<sup>th</sup> largest air cargo carrier, is taking firm steps forward its goal to become the world's 3<sup>rd</sup> largest air cargo transportation brand. Mega Cargo Facility Building of Turkish Cargo's and cargo terminal with an area of 205,000 m² is one of the largest air cargo facilities in the world.

Master Builders Solutions products were preferred as a solution partner for the industrial flooring and waterproofing needs of the Cargo & Energy Building which are located in the B zone region.

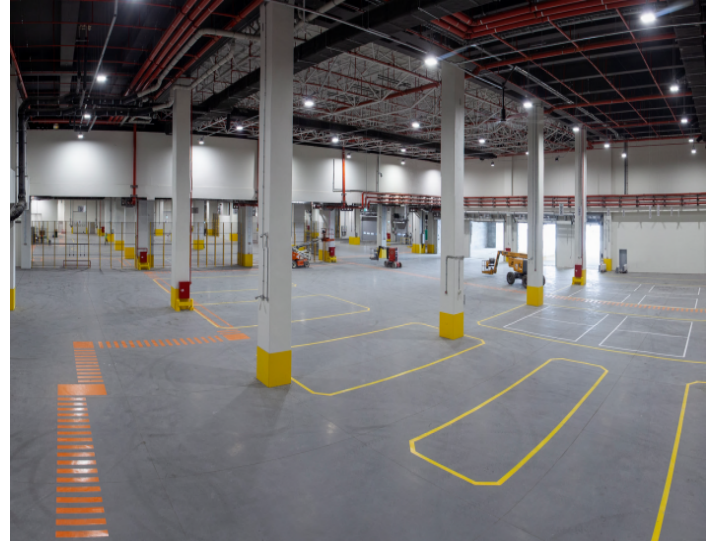
**The challenge**

Considering the size and the duration of the project, it became necessary to carry out many different productions at the construction site at the same time.

The pandemic process that emerged in the Q1 of 2020 caused a very difficult period both project progress and material supply.

The coordination and the cooperation of many different companies was very important in this mega project. Many units such as Contractor, Consultant, Designer, Subcontractor took an active role in every stage of the project. We provided intensive service by all our technical team to ensure the coordination of such a large staff at the highest level.

All products were supplied and applications were done on the planned date with the dedication and coordination of all relevant units in this big and challenging project.



### Our solutions

- Pu Cement flooring system which is Ucrete MF was applied on an area 50.000m<sup>2</sup> and also MasterSeal 440 Sealant was applied all joint filling application in the Cargo Warehouse Building
- Our PU flooring system which is MasterTop 1324 was applied on an area of 10,000 m<sup>2</sup> in the technical areas.
- MasterProtect 1825 Novolak epoxy system was applied on an area 2.000m<sup>2</sup> in the archive and battery filling rooms.
- MasterTop P 677 Epoxy primer product was used to level the slab on grade because of the undulation
- Special spray machine applied, MasterSeal Roof 2689, which has very high mechanical and chemical resistance, and 100% pure polyurea waterproofing system were preferred for waterproofing solution on an area of 9,500 m<sup>2</sup> terrace of the Energy Center Facility
- MasterTop 1324 was applied on an area of 2,500 m<sup>2</sup> in the technical areas of the Energy Center Facility
- Textured Epoxy flooring system which is MasterTop 1273S was applied on an area 1.500m<sup>2</sup> in the common spaces of Energy Center Facility.

### The customer's benefit

- Considering the size and volume of the project, Master Builders Solutions organized a specific team to meet the expectations and demands of the customer. One-on-one meetings were provided at every stage of the project and special solutions were created for the needs of the project.
- As a solution partner of the project, our technical team and our expert applicator gave a service to Contractor, Consultant, Designer, Subcontractor by establishing communication and coordination in line with the requirements of the project.

Master Builders Solutions Technical Service Team organized product application trainings for the relevant units which were working on the airport project, in order to apply the products in accordance with the technical details, and field visits were made to control all the applications.

- The orders, production and logistics of the high-volume products which were provided for the completion of the construction process of this Mega Project on time and the project was ensured to proceed without interruption even under the difficult conditions of the pandemic period.

### Projects facts at a glance

- Master Builders Solutions became the solution partner of the project with its wide product portfolio and technical support. With prominent product groups such as Ucrete, MasterTop, MasterProtect, MasterSeal, MasterEmaco, MasterFlow, MasterBrace, MasterTile, this mega project progressed rapidly, as well as a reliable, durable and long service life.

### Master Builders Solutions by MBCC Group

The Master Builders Solutions brand brings all of our expertise together to create chemical solutions for new construction, maintenance, repair and renovation of structures.

Master Builders Solutions is built on the experience gained from more than a century in the construction industry. The know-how and experience of a global community of construction experts form the core of Master Builders Solutions. We combine the right elements from our portfolio to solve your specific construction challenges.

Further information is available at:  
[www.master-builders-solutions.com.tr](http://www.master-builders-solutions.com.tr)