



INNOVATION PROVIDERS



POLYURETHANE SOLUTIONS

PASSION CHEMISTRY SOLUTIONS

WHO WE ARE



**SINCE 1957, DUNA MEANS INNOVATION.
PRAGMATIC, RELIABLE, SUSTAINABLE.**

Polyurethane foams, formulated systems, PUR adhesives and epoxy resins with highest technical performance: the first-rate solutions the DUNA-Group is committed to supply worldwide for multiple industrial sectors and applications.

Constant Research, decades-long expertise, long-term customer-centered relations and upmost attention to People and Environment: the foundations of our business Vision and the reasons behind our relentless growth.

Passion, Respect and Teamwork: the core values of the DUNA Group, the Code of Ethics shared by DUNA-Corradini S.p.A. (the Italy-based Headquarters with its DUNAPACK® Packaging Division), by DUNA-USA Inc and DUNA-Emirates LLC FZC, the international branches founded to get closer to overseas markets and better meet local needs.



DUNA-USA INC.



DUNA-CORRADINI SPA
DUNAPACK®



DUNA-USA INC.

WHERE WE ARE

4 PRODUCTION PLANTS WORLDWIDE

OVER **1500** CLIENTS
SERVED IN **118** COUNTRIES



DUNA-EMIRATES LLC FZC

OUR HISTORY



FOUNDATION OF AZIENDA CHIMICA CORRADINI GUSTAVO & C

1957

1982

CESSION OF THE CHEMICALS DIVISION to DOW Chemicals for specialization on polyurethane through in-continuous free expansion

1988

CREATION OF DUNA-CORRADINI SRL and move to the current Headquarters in Soliera (outdoor area 35000sm, covered area 8000 sm)

1998

ISO 9001 CERTIFICATION ON QUALITY MANAGEMENT SYSTEM
EXPANSION OF THE SOLIERA HEADQUARTERS for new R&D Lab and offices (outdoor area 55000sm, covered area 13000sm)

2001

FOUNDATION OF DUNA-USA INC. based in Baytown, Texas (outdoor area 20000sm, covered area 1800sm)

2004

FOUNDATION OF DUNAPACK®, the On Demand Packaging Division based in Soliera

2007-2008

CREATION OF MOBILE FOAMING LINES (Pegasus I and II) for on-site projects in Qatar and the Far East

2006

RENAMING AS DUNA-CORRADINI SPA



2009

EXPANSION OF SOLIERA HEADQUARTERS (outdoor surface 85000sm, covered area 23000sm)

2010

EXPANSION OF DUNA-USA INC. thanks to inauguration of a second production plant in Ludington, Michigan

2014

ISO 18001 CERTIFICATION (now 45001) on Occupational Health and Safety Management

2011

FOUNDATION OF DUNA-EMIRATES LLC FZC based in the Arab Emirate of Fujairah to serve the Middle and Far East markets

2015

LAUNCH OF "ZERO WASTE" PROJECT aimed at minimizing production waste and Corporate environmental impact

2020

ISO 14001 CERTIFICATION on the Environmental Management System to monitor and reduce the environmental footprint of all Company activities

THIRD DUNA-USA INC. TEXAS EXPANSION (doubled the outdoor area to 40000sm, covered area 6800sm)



2021

INAUGURATION OF THE NEW INDUSTRIAL UPCYCLING PLANT and launch of CORALIGHT® 600, high-density polyurethane boards produced by enhancement of production scraps

EXPANSION OF DUNA-EMIRATES to upgrade Low Density Department (outdoor area 4000sm, covered area 2060sm)

OUR VALUES

INNOVATION

In-house R&D Lab, state-of-the-art technology and First Mover approach towards new sector and applications. We are Pragmatic Dreamers!

CUSTOMER FOCUS

Customised solutions, tailor-made mock-up tests, constant technical assistance, specialised support for turn-key projects.

PERFORMANCE

Highest technical performance, efficiency and ease of application of products. Repeatability in supply.

SUSTAINABILITY

Constant products and processes optimisation to minimize environmental impact and waste.

"Zero Waste" 2015 Project gave life to new CORALIGHT® 600, PUR boards by Upcycling

Ethic Business Model: utmost attention to Safety and Wellbeing of our People, Community and Stakeholders (ISO 45001, ISO 14001)

RELIABILITY

A experienced and reputable Partner with highest quality standards. Guarantee of supply, service and constant assistance to create long-term Relationship

OUR PRODUCTS

FOAMS

RIGID POLYURETHANE (PU) AND POLYISOCYANURATE (PIR) FOAMS

CORAFOAM®

A broad and versatile range of PUR and PIR foams available in blocks, boards and special items. In-continuous foaming process enables maximum control, characteristics' repeatability, high productivity and size customization



CORINTHO®

High-temperature tooling boards



LOW DENSITY

(33-65kg/m³) PU (CORAFOAM® HPT and CORAFOAM® H lines) and PIR (CORAFOAM® PB, CORAFOAM® ME and CORAFOAM® RP lines) foams for the cold-chain, thermal and cryogenic insulation, sandwich panels and composites.

MID-HIGH DENSITY

PU Foams (CORAFOAM® MD line in density 80-600 kg/m³) for tooling, modeling, prototyping and PIR foams (CORAFOAM® RTS line up to 320 kg/m³) for applications where high mechanical strength and insulating performances are required.

BLACK CORINTHO®

High-density PUR boards (800 and 1100 kg/m³) with high-temperature resistance (+205°C), ultra-low CTE and workability for carbon-fiber tooling: prepregs lamination, master modeling and prototyping in automotive, aerospace, defense and other high-end projects where an alternative to metals is needed.

For tooling boards bonding' and sealing, DUNA has developed two high-temperature resistant lines, the DUNAPOX AD rigid epoxy adhesives and the DUNAPOX BLACK SEA epoxy sealers.

BLUE CORINTHO® HT

PUR tooling boards with high service temperature, high surface finishing and ease of machining, ideal for thermoforming and master modelling.

CORALIGHT® 600

Sustainable PUR boards by UPCYCLING



The new high-density polyurethane boards produced by Upcycling of high-quality secondary products. Made with over 85% of recycled material, CORALIGHT® 600 combines aesthetic value and high mechanical performance (strength, screw retention, low water absorption and workability) ensuring structural reinforcement and insulation capacity in various applications of the cold-chain, building, furnishing and composites industries.

SUSTAINABILITY

The DUNA Group constantly strives to minimize the environmental impact of Company products and processes. Our concrete actions:

• “ZERO WASTE” PROJECT

set of initiatives to minimize production waste and Company environmental footprint

• CREATION OF AN UPCYCLING INDUSTRIAL PLANT

for the production of CORALIGHT® 600

• ELIMINATION OF HFC FOAMING AGENTS

FROM CORAFOAM® FOAMS AND CHEMICAL SYSTEMS (NOW HFO EXPANDED) to avoid greenhouse gas emissions, anticipating by 8 years the F-Gas Regulation (2023). Voluntary elimination of HCFC-141b foaming agent from DUNA-Emirates foam production

• DUNAPOL® T DEVELOPMENT

styrene-free, solvent-free and low VOC solution for structural reinforcement to protect the environment and health of operators and end users

• DEVELOPMENT OF SUSTAINABLE PACKAGING SOLUTIONS BY DUNAPACK®

the new TE0 (compostable and biodegradable film, TÜV Industrial UNI EN 13432 certified) and RIO (regenerated film made with over 65% of recycled plastic) Air in Place cushions

• DEVELOPMENT OF A CORAFOAM® PIR LINE

WITHOUT INTENTIONALLY ADDED HALOGEN with same technical performance and ASTM E84 compliant

• A CERTIFIED COMMITMENT TO SUSTAINABILITY

- ISO 9001 Quality Control System
- ISO 14001 Environmental Management System
- ISO 45001 Occupational Health and Safety Management System
- ISO 14021 Content of recycled material in multiple DUNAPOL® S and DUNAPOL® C systems



OUR PRODUCTS

CHEMICALS

POLYURETHANE SYSTEMS (POLYOL & ISOCYANATE), EPOXY RESINS AND PU ADHESIVES

DUNAPOL® C

Injection PU insulating systems

Formulated liquid systems (polyol & isocyanate) to obtain polyurethane foam for thermal insulation and filling. Available in several formulations and with low environmental impact (most HFO and water expanded, ODP = 0 GWP < 1), DUNAPOL® C represents the most versatile and efficient solution for HVACR and cold-chain insulation, doors and windows insulation, buoys and naval construction, wood imitation...

DUNAPOL® S

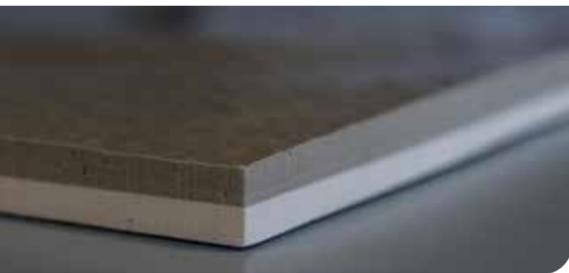
Spray PU and PIR systems for insulation

Formulated systems (polyol & isocyanate) for either horizontal and over-head spray application to create insulating layers on floors, walls, ceilings, tanks and curved or irregular surfaces. The excellent adhesion, ease of application and possibility to customize insulating thickness make DUNAPOL®S the most efficient solution for seamless insulation in multiple industrial applications, building and asbestos reclamation by incorporation.

DUNAPOL® T

Sustainable PUR systems for structural reinforcement

Styrene-free, solvent-free and low VOC high-density polyurethane systems for the structural reinforcement, including thermoplastic laminates. Thanks to its fast and easy Spray application, excellent adhesion on several surfaces and smooth finishing, DUNAPOL®T represents the sustainable and high-performance alternative to traditional reinforcement methods.



DUNAPOL® AD

PU structural adhesives

Solvent-free polyurethane adhesives, two or one-components, for industrial application. Large production capacity of customized formulations, from liquid adhesives to medium-high viscosities and controlled thixotropy solutions. The DUNA expertise on application's technology and processes enables the development of tailor-made solutions meeting the specific bonding needs of building, composites, cold-chain, cryogenic and marine industries.

DUNAPOL® SPINPIPE

PIR pre-insulation systems



The polyisocyanurate injection systems for seamless LNG pipes' insulation before installation on site. Thanks to the fast yet precise application process under indoor controlled conditions, SPINPIPE ensures maximum quality control, insulating shell's repeatability and operators' safety. Low environmental impact (ODP = 0, GWP < 1) and full compliance to strictest cryogenic specifications make SPINPIPE the optimal solution to improve efficiency and logistics of major LNG projects.

PEGASUS

Mobile Foaming Lines



A complete foaming line, able to produce CORAFOAM® PIR foam blocks within the space of 4 containers, that can be shipped and transported on customer's site to produce large quantities of foam, while saving transport costs of bulky products. The most customer-oriented solution by DUNA Group to support the largest cryogenic projects in faraway locations. DUNA technical Team takes care of the Unit installation and operation, assuring constant supervision and strict quality control.

TAYLOR-MADE SOLUTIONS

Decade-long Know-how, constant technological update and customer orientation to meet specific needs and applications

- CUSTOMIZED CHEMICAL FORMULATIONS with diversified reaction rates, viscosities and application methods
- CUSTOMIZED FOAM PROCESSING AND MACHINING IN MULTIPLE FOAM DENSITY
- STATE-OF-THE-ART TECHNOLOGY (5-AXIS CNC MACHINES) to comply with the most stringent tolerances
- COMPLIANCE WITH HIGH QUALITY STANDARDS throughout the entire production process from product development to final quality control (LASER SCAN)
- DOUBLE PRODUCTION LINE for fast order fulfilment
- TURN-KEY SOLUTIONS AND COSTANT TECHNICAL SUPPORT for complex and large projects



DUNAPACK® ON DEMAND PACKAGING DIVISION



DUNAPACK®
packaging on demand



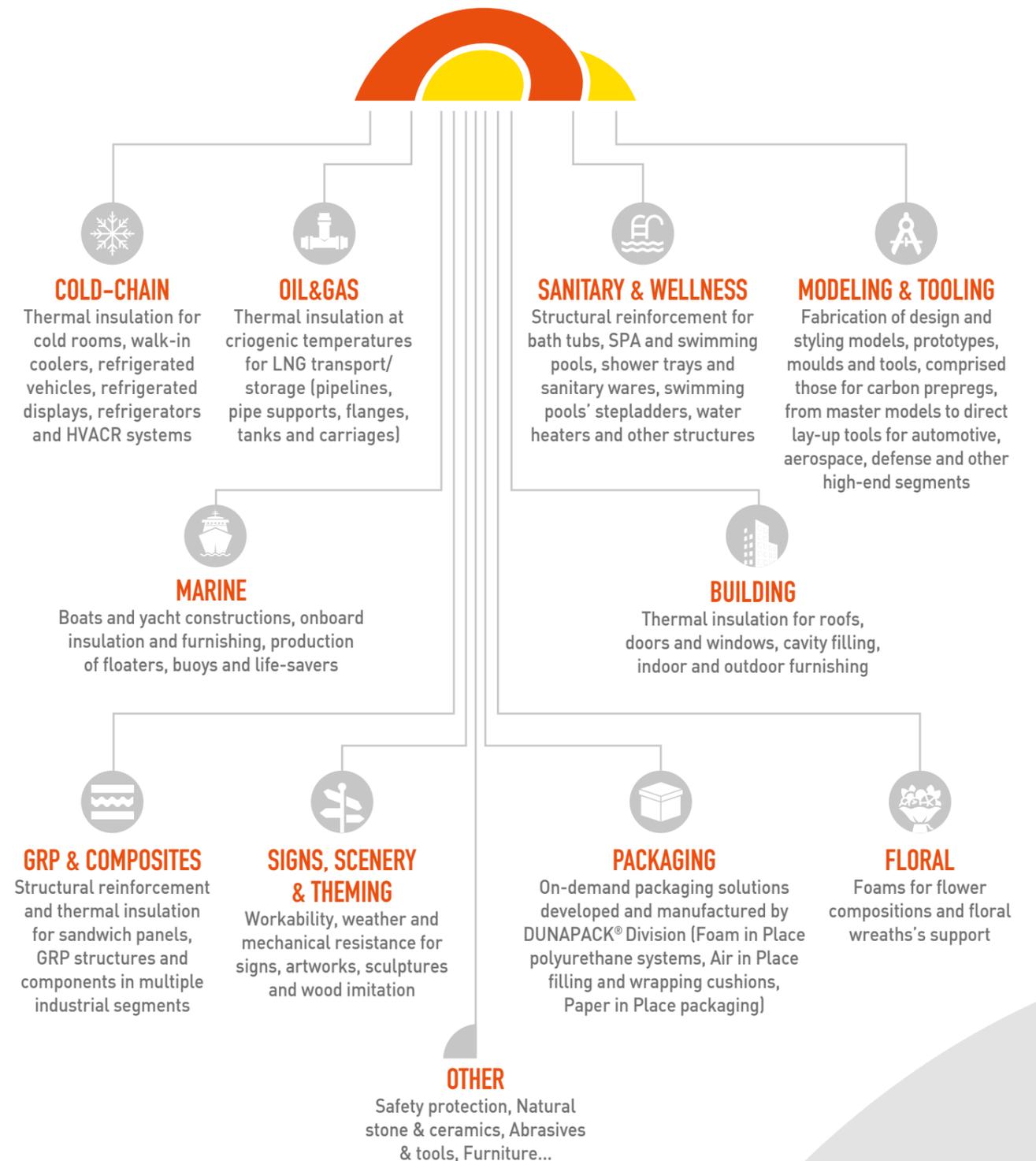
Since 2004, the DUNA-Corradini Division specialised in the manufacturing and supply of on-demand filling and protective packaging systems, designed to meet the productivity and sustainability requirements of the manufacturing industry and logistics operators.

With its production Headquarters in Soliera (MO, Italy) and its sales offices in Milan, DUNAPACK® offers a complete range of reliable and sustainable solutions for on-demand packaging: the Foam in Place systems in polyurethane foam to protect fragile or heavy goods, the Air in Place filling and wrapping air cushions and the paper packaging of the Paper in Place line for padding and blocking.

DUNAPACK® in-house R&D Department provides testing and customised design services: analysing customers' products, shipping methods and operational requirements DUNAPACK® is able to develop turn-key solutions and tailor-made workstations able to seamlessly integrate into clients' production lines ensuring maximum productivity, efficiency and operators' well-being.

SUSTAINABILITY

- EXPANSION OF THE AIR IN PLACE RANGE WITH NEW ECO-FRIENDLY SOLUTIONS: THE TEO FILM, COMPOSTABLE, BIODEGRADABLE AND TÜV INDUSTRIAL UNI EN 13432 CERTIFIED, AND THE NEW RIO FILM, REGENERATED CUSHIONS MADE WITH OVER 65% OF RECYCLED PLASTIC
- ADOPTION OF NEW SUPPLY METHOD TO REDUCE THE ENVIRONMENTAL FOOTPRINT OF PACKAGING TRANSPORT AND HANDLING: READY-TO-INFLATE REAMS replaced the traditional coil
- UPDATE OF PRINTING OF ALL AIR IN PLACE AND FOAM IN PLACE FILMS, anticipating the entry into force of the Environmental Labelling Regulation
- INTRODUCTION OF THE MINISTORAGE SYSTEM FOR THE FOAM IN PLACE RANGE, replacing traditional foam drums with Ibc tanks with greater storage capacity
- INAUGURATION OF A NEW FACILITY FOR WASHING AND RECOVERING OF CLIENTS' IBC DRUMS AND TANKS to reduce plastic consumption, transport emissions and spillage risks
- RECYCLED AND FSC® CERTIFIED FILLING AND PROTECTIVE PACKAGING SOLUTIONS BY THE PAPER IN PLACE RANGE





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