

# **DURASHIELD®** Project Portfolio







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# Any Place, Any Condition.











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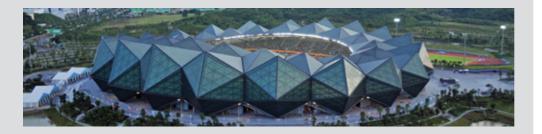
### Palram Projects Support

#### **About Palram**

Palram was founded in 1963 and is a leading global manufacturer of semi-finished extruded thermoplastic sheets, panel systems and consumer products. Palram sheets, manufactured mainly from Polycarbonate and PVC, are designed to suit a diverse range of applications in various markets, which include DIY, construction, architectural projects, advertising, agricultural, glazing, and fabrication. Palram panel systems are offered as part of the company's advanced products and services bundle for the construction and architectural markets. A variety of finished-products are marketed through DIY chain stores across the globe.

### **Project Support**

In the last two decades, the Palram Project Support Center has helped specify, adapt, support and facilitate architectural and industrial challenges around the globe. Among the Center's team members are civil engineers, designers, technical supporters, plastics engineers and others. The team offers a bundle of professional services based on accumulated experience in medium and large scale projects, a part of which are displayed here.



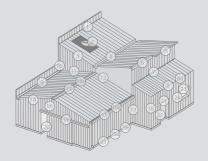
#### Services for Planners

#### Planning Stage

- Quick matching of product specification per project
- Adapting plans while preserving the planner's vision
- Creation of specific planning details
- Professional consultation on planning meetings
- Expert advice on materials and engineering
- Creating conceptual designs for given structures

#### Implementation Stage

- Creating specific installation guidelines per project
- On-site support at important execution stages
- Background construction engineering supervision
- Conducting special seminars upon request



### Introduction to DURASHIELD®

DURASHIELD opaque corrugated PVC panel combines excellent resistance to chemicals, fire and impact, resulting in an extremely durable roofing solution. DURASHIELD withstands harsh chemical environments where conventional roofing quickly corrodes, which makes it ideal for long term use in demanding industrial applications such as chemical plants and storages, mines, ports and more. For domestic applications, it is ideal as a clear (in cold northern climates) or opaque roofing material that is easy to install and maintain. DURASHIELD evolved into the high quality product it is today based on the experience of nearly 50 years of service. It is lightweight, safe, extremely easy to handle and install using conventional tools and requires no maintenance.



#### **Main Benefits**

**Excellent Chemical Resistance** - DURASHIELD withstands a wide variety of chemicals, making it ideal for applications in chemically aggressive environments.

**UV and Weather Resistant -** Offering long service periods in cold or hot climates.

Flexible - Suitable for curved roofing.

**Non-Corrosive** - DURASHIELD is ideal for seaside projects, mines, livestock farms and more.

**Insulating** - Heat buildup is reduced in comparison with metal roofing, which creates a cooler and more friendly environment within the structure

**Minimum Maintenance** - Freedom from high maintenance and frequent roofing replacement.

**High Impact Strength -** Resisting hail, wind and snow loads.

**Fire Resistance** - DURASHIELD selfextinguishes and meets the highest standards in the field.

### **Colour Specification**

When specifying DURASHIELD coloured sheets it is important to consider the climactic conditions where the sheets will be installed. DURASHIELD white opaque is suitable for any climate and geographical region and will serve as a costeffective solution in most cases. DURASHIELD is also available in a range of transparent, translucent and opaque colours which should be specified according to the weather conditions in the area of installation. Clear and standard colours are suitable for relatively cold climates, special cool colours can be applied in warmer regions. For more details and professional consultation regarding colour application please contact your Palram distributor.



# Mines

Laborers Barracks in Mineria Caserones - Chile



### Mines

Gaby Mine - Chile
Construction: Bateman

DURASHIELD® 2mm White Opaque sheets cover the oxygen pools around the mine.







### **Ports**

Haifa Port - Israel

DURASHIELD® White Opaque 2mm The warehouses have permanent contact with sea spray and minerals.

Excellent resistance to chemicals and corrosion makes DURASHIELD® ideal for any port application.

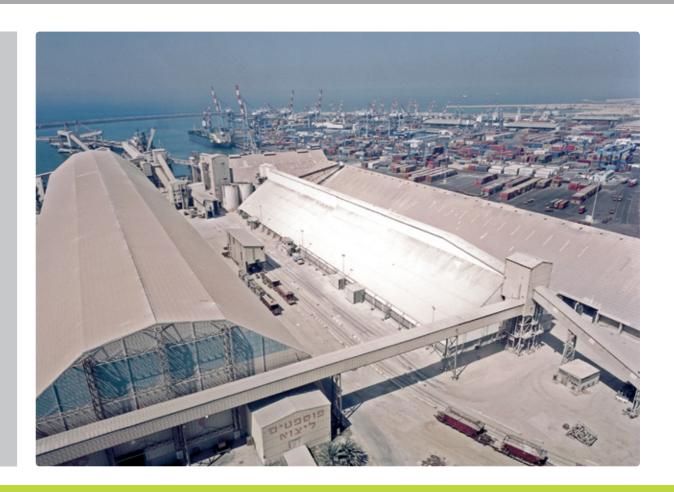


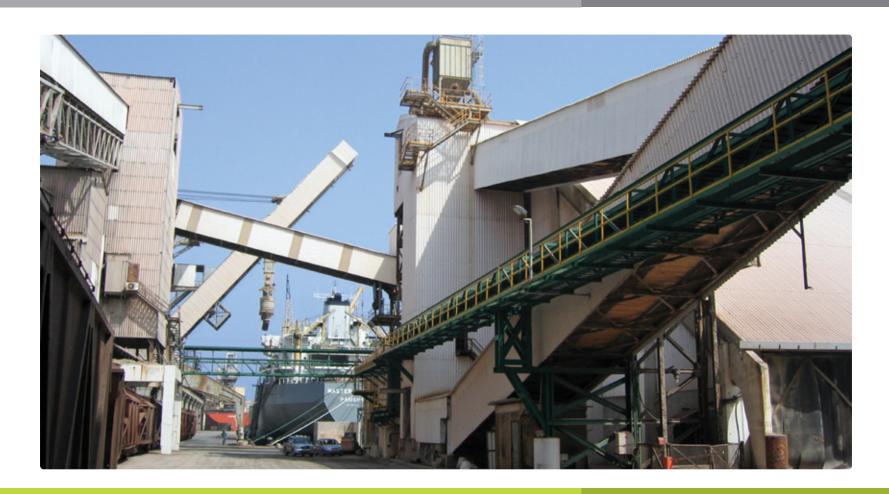
### **Ports**

# Chemical Terminal at Ashdod Port, Israel

DURASHIELD® White Opaque 3mm Permanent contact with salt water and minerals.

Sea spray attacks metal panels and causes corrosion. DURASHIELD® sheets are non-corrosive and resist salty environments.







# Agriculture

Unicoop Planta UPM Pig Breeding Farm - Paraguay

DURASHIELD® White Opaque 2.2mm

DURASHIELD® ideally withstands long term contact with gasses typical of livestock environments.



# Agriculture

Dairy Farm - Israel



# Agriculture

Poultry Farm - Israel





### Warehouses

Coca Cola Warehouse -George, South Africa

DURASHIELD® White Opaque 2mm

DURASHIELD® prevails where alternative materials fail. It provides a long term roofing and cladding solution in industrial environments and reduces overall maintenance work and expenditure.



# Warehouses

Chemical Hangar in TIS Port near Odessa, Ukraine











### **Conveyor Belts**

Zefa Phosphate Conveyor at Dead Sea Works - Israel

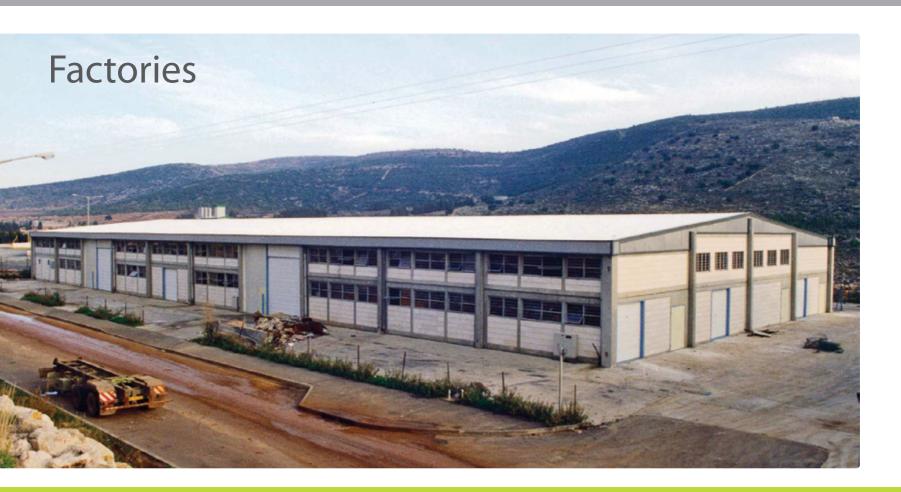
DURASHIELD® White Opaque 3mm This 14km phosphate conveyor is located in the Judean Desert, in the Dead Sea area.

DURASHIELD® is the only product that stands up to the aggressive magnesium environment.



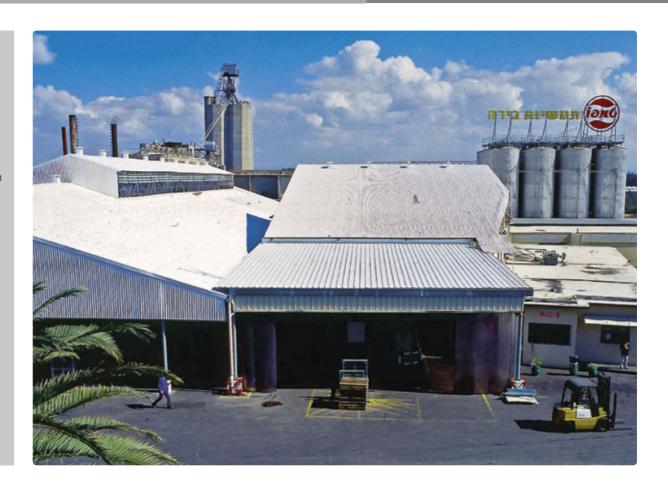






# **Factories**

Tempo Beverages Factory, Israel

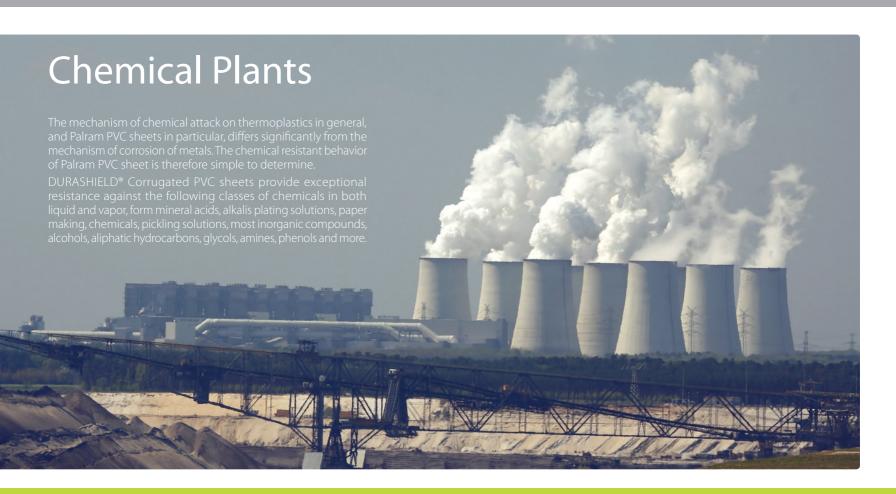


# **Factories**

Coca Cola Factory, Israel







# **Chemical Plants**

Chemotel - Israel



# **Chemical Plants**

Nyrstar Zinc Smelter -Hobart, Australia



### **Chemical Plants**

Dead Sea Works - Israel

DURASHIELD® White Opaque 3mm

DURASHIELD provides a long term roofing solution to withstand phosphate and other minerals produced at the plant.





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