



# Warlord

## Product Information Sheet

30 Litre Warlord



20 Litre Warlord



- High pallet efficiency
- Optional UN approved hand tight closure
- 15 standard colour options
- Reusable up to 5 years
- UN Group II certified

| Specifications           | 20 Litre | 30 Litre |
|--------------------------|----------|----------|
| <b>Dimensions</b>        |          |          |
| External height          | 365 mm   | 455 mm   |
| External diameter        | 290 mm   | 290 mm   |
| External depth           | 310 mm   | 310 mm   |
| Filling orifice diameter | 50 mm    | 50 mm    |
| Weight (empty)           | 2.0 kg   | 2.75 kg  |
| Capacity (nominal)       | 20.0 L   | 30.0 L   |

| <b>Composition</b>     |                    |   |
|------------------------|--------------------|---|
| Container              | LMDPE <sup>1</sup> | LMDPE <sup>1</sup>                      |
| Closure                | LMDPE <sup>1</sup> | LMDPE <sup>1</sup>                      |
| Closure gasket options | PE Foam            | PE Foam<br>Viton rubber<br>Butyl rubber |

| UN Certification     | Group and SG     | Group and SG     |
|----------------------|------------------|------------------|
|                      | Closure          | Closure          |
| Group II / Group III | Y 2.0            | Y 1.9            |
|                      | STD <sup>2</sup> | STD <sup>2</sup> |
|                      | PRV <sup>3</sup> | PRV <sup>3</sup> |
| Closure Torque       | 20 Nm            | 20 Nm            |

<sup>1</sup> Linear medium density polyethylene

<sup>2</sup> Standard closure

<sup>3</sup> Closure fitted with Pressure Relief Valve

### General Description

The Warlord is a re-usable container of single walled construction designed for liquid chemicals. The square round form enables 12 containers to fit on to an ISO pallet.

The container incorporates an integral ergonomically shaped handring, an offset pouring spout and secure interstacking features. Side walls are provided with large label attachment areas. The design allows optimal draining with less than 0.1% of nominal capacity retained when the container is emptied.

The closure is of buttress type. The 30 Litre Warlord is available with an optional hand tight closure (7 Nm). A vented hand tight closure is available for products requiring pressure relief.

### Manufacturing Method

The container is rotationally moulded in LMDPE. Unlike blow moulding the process is essentially stress free and creates a container with no seams or welds. The body of the moulding is of generally uniform wall thickness with thickening in corners and radii where reinforcement is of most benefit.

*continued overleaf*

### Composition

The polymer used in the manufacture of the container is highly UV stabilised and exhibits excellent low temperature impact strength, chemical resistance and ESCR.

### Service Life

Warlord service life is largely dependant on the chemical resistance of the container to its contents. Other factors include environmental service conditions and handling history. The Francis Ward **Drum Utilisation Guide** provides service life recommendations for a wide range of chemicals.

All Warlord containers and closures are date coded with month and year of manufacture to enable effective service life control. UN regulations limit maximum service life for single walled containers to 5 years.

### Customisation

Warlords can be supplied either in natural form or coloured to identify container contents. The standard colour range (15 colours) is that detailed by the CDA (Chemical Distributors Association). A copy of this listing is available upon request. Special colours for corporate identification or specific product coding requirements can also be supplied.

In addition to colour coding Warlords can be custom screen printed. In mould printing is employed to produce abrasion resistant text and logo's on the container top surface. Quotations can be provided upon receipt of artwork.

### Accessories

A full range of accessories is available for the Warlord including, replacement closures, cap taps, pouring spouts, closure fastening spanners and adapters for torque wrenches.

Whilst every attempt has been made to ensure that the information provided in this product information sheet is accurate and reliable Francis Ward Limited cannot accept responsibility for the interpretation of the information provided.

It is the responsibility of the user to determine the chemical compatibility of the container with its intended contents.



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