

## HLR Hydraulic Lime Render

### Description

KRO HLR is a natural coloured hydraulic lime rendering mortar designed for multi coat render systems. The product is formulated for use as an undercoat and finishing topcoat in external rendering and internal plastering. Hydraulic Lime Render complies to the requirements of IS EN 998-1 and should be used in accordance with EN 13914 parts 1 & 2 and manufacturer's instructions. Unless otherwise stated the product is a CS I render. It is suitable for both hand and machine application.

### Applications

KPRO HLR is suitable internally and externally in the following applications,

- In new building work where a breathable, low carbon material is required.
- In restoration work on old and historic buildings.

### Product Use

KPRO HLR Render is suitable for both hand and machine application.

**Mixing:** This product only requires the addition of clean water. Our Hydraulic Lime Render should be mixed in a suitable site mixer, continuous mixer, or spray render machine. Water should be added at steady, constant rate to ensure mix consistency and uniformity of the finished coat. Typical water addition of 5-6 litres per 25Kg of dry material will produce a light workable material. Re-mixing or the later addition of water is not permitted as this will have an adverse effect on the life and colour consistency of the product.

**Applying:** In all instances KPRO HLR Render should be used and applied in strict accordance with EN 1996, EN 13914, and the manufacturer's instructions. No scud coat is required when applied by a spray rendering machine, however if the material is being hand applied Kilsaran recommend the use of a suitable scud coat. For further information on the application of our Renders please see our KPRO Render & Plaster Application Guide. In all instances KPRO HLR Render should be used and applied in strict accordance with I.S./B.S. EN 13914 and the manufacturer's instructions.

### Technical Data

KPRO HLR Render is produced in an EN 998-1 Factory Production Control and ISO 9001 quality-controlled environment to the requirements of a general purpose render as set out in EN 998-1:2016. KRO GP Render also holds NSAI Agreement certification.

<b>CE</b>	
Kilsaran Concrete, Piercetown Dunboyne Co. Meath Ireland 13	
EN 998-1	
General purpose rendering mortar (GP) for use in external rendering and internal plastering.	
Compressive Strength	Category CS I
Reaction to Fire	Class A1
Water Absorption	W0
Water Vapour Permeability	$\mu < 10$
Adhesion	NPD
Thermal Conductivity	( $\lambda_{10, dry}$ ) 0.61 W/mK
Durability (against freeze - thaw)	Evaluation based on provisions valid in the intended place of use of the mortar.



### Benefits

- Consistently high-quality mix
- Environmentally Friendly
- Eliminates inaccurate site mixing
- Excellent workability and adhesion
- Breathable and Flexible
- Convenient and User-Friendly
- Eliminates wastage
- Promotes cleaner and safer sites

### Approximate Yield

Coat Thickness	Coverage per 25kg bag
10mm	1.50 m <sup>2</sup>
12mm	1.20 m <sup>2</sup>
15mm	1.00 m <sup>2</sup>

### Application Temperatures



+5°C to +30°C

### Health & Safety

Please refer to the relevant Material Safety data sheet online at [www.kilsaran.ie](http://www.kilsaran.ie).

### Pack Size

- 25kg premixed bags

### Get in touch



**ROI** T: +353 (0)1 802 6300 E: [technicaladmin@kilsaran.ie](mailto:technicaladmin@kilsaran.ie) [kilsaran.ie](http://kilsaran.ie)

**UK** T: +44 (0)161 872 8899 E: [info@kilsaraninternational.co.uk](mailto:info@kilsaraninternational.co.uk) [kilsaraninternational.co.uk](http://kilsaraninternational.co.uk)