





Winter Working.





Introduction



Winter often brings additional challenges to the construction industry and particularly for those trying to complete outdoor tasks such as rendering. Thankfully, due to some innovative technology and forward thinking, the K Rend team have been able to engineer many of their products to allow continued use in the autumn and winter months meaning you don't have to stop working when the weather changes!

We know the main problems during the Autumn and Winter can lead to wash-off of product, wetter substrates, slower drying and sometimes limebloom.

Most of our products are designed to work down to temperatures of 5°C and our Mineral TC can be used at temperatures as low as 1°C. This means you can continue to work on those colder days. Our products are also designed to dry quickly, meaning that when you have a window of drier weather, you can get to work and be assured that your K Rend products will dry before the rain starts. There are additional tips and tools to use that can fast track that process even further without compromising the highest quality and performance you expect from K Rend.

This handy Winter Working brochure is here to help, outlining the weather conditions when you can continue to use K Rend products, the products within our extensive, specialised range which

are perfect to keep you working through the winter months, some best practice top tips to help you in the colder, wetter conditions and introducing you to some of our Winter Working specialists and how they can help you. We've also included some case studies from applicators, like you, in the industry, outlining their top tips for Winter Working and a few of their tips to get you through to Spring time.

As ever, our teams are here to help and support you with technical support, sales support, marketing support, handy tips. Stay in touch via phone or on our social media channels and we'll work through the Winter months together – without any slips, trips or rendering disasters.

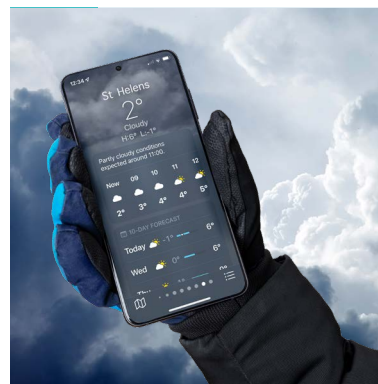
Top 5 tips

These are our top 5 tips for working outdoors with K Rend products throughout the winter months.



1 Plan ahead

Working in winter months can be challenging. Make sure you plan ahead to ensure you have the right equipment, supplies and clothing.



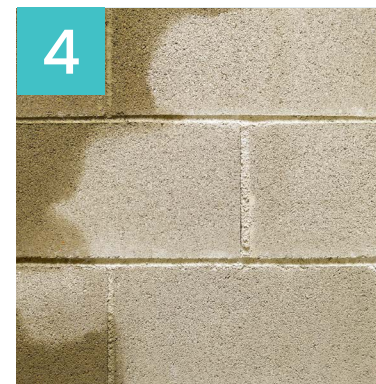
2 Check the weather forecast

We recommend between the months of mid-November and early April that it is worthwhile to check the weather daily, so you are prepared in advance of starting external render jobs. Also, as rainfall is more frequent there is an increased risk of limebloom, particularly on deeper colours of render.



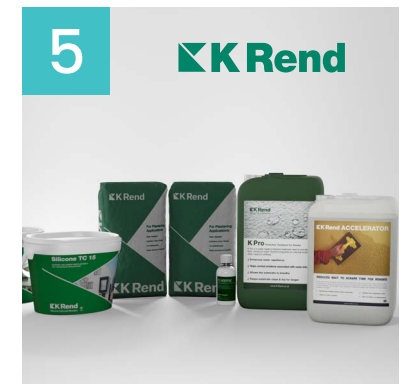
3 Be aware of the temperature

K Rend cementitious and synthetic products have a working temperature of 5°C to 35°C. It is very important that render products are not applied onto frozen surfaces and that surfaces are always protected from rain or frost for a minimum of 48hrs after application, whilst the render is curing. Drying times may be prolonged in winter months due to the colder conditions.



4 Keep substrate dry

This is a key thing to remember as a wet substrate can prove problematic with adhesion and bonding due to a lack of suction, weakness and reduced bond for the render. Even surfaces which have become saturated and are only dry on the surface can lead to potential problems such as limebloom.



5 Choose the right products

Make sure you have the best products on site before you begin. Our 3 best products for winter working are:

Mineral TC 2 & 4 - Faster drying times at lower temperatures and high humidity.

Accelerator - Reduce the waiting time before scraping K Rend scraped texture renders.

TC-Additive - Reduce the drying time of synthetic resin renders under low temperature conditions.

Hear From Our Approved Applicators



RENDWISE

Merseyside

Current Project

Oxton, The Wirral

Favourite K Rend Product for winter working
Silicone K1 / K Rend Accelerator

Benefits of using K Rend products throughout winter

We always use the K Rend accelerator during the winter working months, as we can use this to adjust the setting time to suit ourselves.

We spray apply all our K Rend products using a machine and the accelerator can be added straight to the mixing chamber using a doser.

What is your top tip for working throughout the winter?

When on jobs in the winter always make sure there are temporary downpipes, gutters and water outlets in place to help protect the render from damp.

Always remember if the wall is too damp, render can't be applied.



Hear From Our Approved Applicators



CANAVAN PLASTERING LTD.

Drumquin, Ennis, Co.Clare

Current Projects

33 Units for Coolsivna Construction in Clare.
22 ICF Units for Formation Homes in Limerick
On going site for Homeland Group in Mungret,Limerick

Favourite K Rend Product for winter working

All products, particularly Roughcast

Benefits of using K Rend products throughout winter

During the winter months we find K Rend products are less labour intensive when getting ready to apply. This saves valuable time and means we can be more productive on an average day.

What is your top tip for working throughout the winter?

We find one of the most important things to remember in winter is to get render/coats on early in the morning.



Hear From Our Approved Applicators



GA WILSON PLASTERING

Cockermouth Cumbria

Current Project

Story Homes Cumbria Sites

Favourite K Rend Product for winter working

Roughcast, a very reliable product that we have used for years now across hundreds of houses

Benefits of using K Rend products throughout winter

Roughcast is a very hardy product going on and when it's on the wall. We have always applied Roughcast in the traditional way with a hurling trowel, rather than using a machine to spray on an imitation product.

What is your top tip for working throughout the winter?

We keep a close eye on the temperature during the winter months. We check that it won't drop below 5 degrees during the application, and the following few days while curing. It is important to consider the overnight temperature as well. We also take a view on the substrate and make sure it's not soaking wet before rendering.



Success Stories



CASE STUDY

MORRISON

Fife, Perth & Kinross
and Edinburgh Areas



Let us introduce you...

Barry Morrison, Founder & Director of Barry Morrison Rendering, Roughcasting & Plastering Ltd specialises in all types of rendering. With over 25 years experience in the industry, Barry and his team of 2 take on many K Rend projects, finishing every property with high detail.

Featuring on our recommended applicator list, Barry and his team primarily work within the Fife, Perth & Kinross and Edinburgh Areas.

The Winter Working Project

Barry's winter working project was rendering a 5 bed new build in Dunfermline. Specification was K-Rend Silicone K1.

Weather Conditions

This project was rendered in January 2020 with weather conditions at 6°C. We don't recommend rendering in weather below 5°C. We made sure we had all temporary downpipes installed to gutters to keep the property dry from any rain. We always assess the weather forecast to plan our day/week and ensure the weather conditions are suitable.

The Application

The K Rend products used on this project was HP12 Base Coat for fixing all beadwork and stress patches. 2 passes of Silicone K1 were spray applied using our PFT Ritmo L Machine. This was a great advantage for the team as the property was huge and hand application would have resulted in a much longer project / curing time. The property was levelled off to leave a scraped finish, with the project completed in 5 days total (including beading and meshing stress areas).

Was K Rend Accelerator used?

"We didn't use K Rend Accelerator as in our opinion the render cured in good enough time to allow us to scrape back the next day".



"Myself and the team are adamant that the K Rend products provided are suitable to use throughout the winter months and would not move to another manufacturer as we prefer to use K Rend."

Success Stories



CASE STUDY

SHEPLEY
Cheshire

Let us introduce you...

We caught up with Mike Shepley, Director of Shepley Plastering, to chat about his experience using K Rend products over the winter working months.

Based in Stockport, the company was founded back in 2000 and primarily operate within Cheshire and all surrounding areas. Shepley Plastering are long term users of K Rend and are also featured on our recommended list. The company consists of Mike and 2 trained renderers.

The Winter Working Project

This particular project was in Mobberley, with K1 Spray being specified onto blockwork.

Weather Conditions

"It was cold, but workable. With the rain staying off, it was perfect rendering weather! Luckily, the rain stayed off for the entire project, the K Rend products used suited the weather conditions and still cured to a perfect finish with the lower temperatures."

The Application

The K Rend products chosen for this project was HPI2 base coat, reinforcement mesh, and K1 Spray. Our K Rend Accelerator was also used for a quicker curing time, along with our complimentary product K Pro, a waterproof sealant. The complete build up took the team just over a week.

As parts of the substrate was uneven, they used our K Mix GP Mortar to dub out to ensure a smooth, even substrate to render onto.

Once the property was based and meshed, the team mixed K1 Spray with K Rend Accelerator. This product speeds up the curing time of K Rend Scraped Texture Renders, perfect for winter working conditions or those days when the temperature drops!

*Dosage of the Accelerator used was 100ml per bag of K1.

Once the K1 Spray and Accelerator was mixed, Mike and the team applied the render with the M-tec M200 spray machine. He advised that using the machine to apply the render was quicker, saving a lot of time and money. Mike mentioned that "The mixed K1 Spray and Accelerator sprayed perfectly with no problems! With low temperatures, the K1 Spray cured quickly, ensuring a timely scrape down."

To finish off, Mike applied our K Pro which is a water based protective treatment used to provide long term enhanced water repellent properties to external render.

What was the benefit of using K Rend Accelerator for Winter Working?

Mike said that "The use of K Rend Accelerator enabled the team to get more jobs completed over the winter months. With temperatures in the winter affecting curing times, accelerator is definitely fit for purpose and doesn't affect the render, if applied to manufacturers specification."



"I would definitely recommend these products from K Rend for working in harsher weather conditions and lower temperatures. They are 100% fit for purpose with no issues, and we will continue to use them."

Hear From The Winter Specialists




Gerry McErlean
Applications Specialist

What is the toughest part of Winter Working?
Enough planning to have your products ready but making sure they are stored in dry conditions, off the ground until you are ready to use them.

What is your top tip for Winter Working?
Preplanning as explained in my Winter Working document. Together with keeping the substrates reasonably dry. This helps avoid variations in colour and scrape when using scraped texture products.

How can you help?
We have a range of technical documents and specifications which cover winter working conditions. The team and I are happy to discuss these and provide technical help and support as needed.

 028 2826 0766

 sales@k-rend.co.uk





Jason Nicholson
Product Manager

What is the toughest part of Winter Working?
The unpredictability of the weather.

What is your top tip for Winter Working?
Plan-ahead and consider an accelerator. It's a great way to speed things up without compromising quality.

How can you help?
I would advise on best product, application, temperatures, weather conditions, accelerators and what to avoid like high humidity, moisture in the air, freezing overnight. What protection is recommended and the best tools for the perfect finish.

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Darren Alexander
Specialist Division Manager

What is the toughest part of Winter Working?
The UK & Ireland winter weather conditions make it very difficult to ensure protection from rain and frost, it is important that protection is provided for the first 48hrs after application.

What is your top tip for Winter Working?
Adhere to our application considerations and be wary that our render products have a working temperature range of between 5°C – 35 °C.

How can you help?
Our application instructions clearly outline how best to apply our products for maximum performance, and in what drying conditions work best. I would recommend which winter working products are best to use to enhance our standard K Rend product range so they are suitable for the winter months.

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Steven Logan
Merchant Division Manager

What is the toughest part of Winter Working?
Planning your project can be difficult due to the fluctuation in temperatures and understanding how products perform in adverse conditions.

What is your top tip for Winter Working?
Making sure to choose the correct products that will allow you to complete your project efficiently as possible without any issues due to weather conditions.

How can you help?
The best and most important advice I can give is to engage with our sales and technical team who are always on hand to advise on specifications, give technical advice, and to educate on what winter products will best suit their project.

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Products



ACCELERATOR

This liquid additive is used to reduce the waiting time before scraping K Rend scraped texture renders, including Silicone K1, K1 Spray, Silicone FT and LWI.

It accelerates the curing time meaning that the render may be scraped earlier, enabling a faster completion of the job.



K PRO

K Pro is a water-based protective treatment used to provide long term enhanced water repellent properties to external render and other masonry surfaces.

This complementary product can be applied over both scraped texture and thin coat ranges.



SILICONE THIN COAT RANGE

A ready to use organic resin render which is applied by hand or machine to provide a low maintenance textured finish, also suitable for external wall insulation and approved render carrier board systems.

There are 4 finishing products within the Thin Coat range offering a variety of textures and appearance. The thin coat range is perfect for use with K Rend TC-Additive.



SCRAPED TEXTURE RANGE

There are 4 main products within the scraped texture range offering a variety of technology, density and application methods depending on your substrate. With a fine texture finish, our through-coloured range is fully breathable and high performing, giving you a reliable solution.

K Rend Accelerator is perfect for use with the scraped texture range.



TC-ADDITIVE

TC-Additive is a solvent-free additive used to reduce the drying time of synthetic resin renders such as our Silicone Thin Coat Range.

It accelerates the curing time enabling faster completion of jobs and allowing users to apply render all year-round. TC-Additive is ideal for use at lower temperatures.



MINERAL TC 2 & 4

Mineral TC 2 & 4 is a cement based, polymer modified render, requiring only the addition of water and 10 minutes mixing time.

It will provide an attractive, low maintenance finish. Mineral TC 2 & 4 can be used at lower temperatures making it ideal for winter working and additionally is perfect for use with K Rend Accelerator.



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