

CrystalActivator



Question	Answer
Which Primer must be used with CrystalTop?	CrystalActivator must be applied thoroughly on the entire surface in order to guarantee the hardening of the CrystalTop
What happens if I forgot to apply the CrystalActivator before the CrystalTop?	The durability of the CrystalTop is greatly reduced. The CrystalActivator activates 2/3 of the binder used in CrystalTop. If the CrystalTop was applied without the CrystalActivator, the Top needs to be removed from the surface. The application process needs to be repeated, applying the CrystalActivator, a suitable drying period and the application of the CrystalTop on the Activator.
Do I need to use a Primer before applying the CrystalActivator?	No, the CrystalActivator acts as a substrate preparation for standard substrates and the activator of the binding process of the CrystalTop. If the substrate requires special treatment, for example chalking, these issues need to be treated before applying the CrystalActivator.
Can the CrystalActivator also be used for other Baunit Tops (pasty renders)?	The CrystalActivator can be used under any other Baunit Tops.
What kind of binder is used in the CrystalActivator?	CrystalActivator is based on pure acrylic binder.
Can I order a tinted CrystalActivator for darker and/or more intense colour tones of CrystalTop?	Yes. CrystalActivator can be ordered in colour tones 01P - 17P & 20P – 25P which are specially developed for Primers. The colour sheet can be found on PimDam as an additional element of CrystalActivator.
Minimum drying time and maximum time between the application of the CrystalActivator and the CrystalTop.	The minimum drying time depends on the weather, however CrystalTop can be applied as soon as the previously applied CrystalActivator is dry to the touch, in case of doubt, minimum 24 hours after application. The maximum time between the application of the CrystalActivator and the CrystalTop heavily depends on weather influences. A pH-indicator spray which is available to Baunit instructors will indicate if CrystalTop can still be applied on the CrystalActivator.

Why do I need to use the special CrystalActivator?	The high pH-value of the CrystalActivator activates the binder in the CrystalTop. Long exposure to weather can influence the pH-value of the CrystalActivator. If the pH-value of the CrystalActivator decreased due to long exposure to rain, the binder used in CrystalTop cannot be activated. A pH indicator spray, which is provided to Baunit instructors can indicate if CrystalTop can still be applied on the CrystalActivator. If the pH-value of CrystalActivator is already too low, another layer of CrystalActivator needs to be applied evenly only on the affected areas.
I already applied Uni- & PremiumPrimer, what shall I do?	You can apply CrystalActivator over Uni- & PremiumPrimer if they are dry to the touch, in case of doubt, minimum 24 hours after their initial application.
Which binder is used in CrystalActivator. Is CrystalActivator also based on the new mineral binder technology?	No, CrystalActivator is not based on the new mineral binder technology.

Colour tones



Question	Answer
What are the available colour tones for CrystalTop?	CrystalTop is available in all Baunit Life colours with the numbers 3 to 9 in the last digit. Organic pigments are not available (marked with D).
Is Shades of White available for CrystalTop?	Yes, Shades of White W1201 - W1211 are available. However, W1200 (StarWhite) is not available in CrystalTop.

CrystalTop



Question	Answer
What main type of binder is used in CrystalTop?	In CrystalTop we use a mineral binder which is inactive when it is delivered in the bucket. The binder is activated as soon as it gets in contact with the previously applied CrystalActivator.
What is the drying time of CrystalTop?	The drying time is affected by the weather situation and the surrounding temperature. Direct sunlight and high temperatures, ... can accelerate the drying time. Low temperatures, ... can prolong the drying time.

<p>What is the CrystalEffect?</p>	<p>The CrystalSet is extremely long lasting and durable due to the unique CrystalEffect. The surface of standard renders show visible greying over time due to the used binder technology. These so called polymere binders get soft and sticky at medium temperatures. Hence, small dirt particles unite with the render and can therefore no longer be removed from the surface.</p> <p>However, the natural crystalline surface of CrystalTop features highest anti-dust and anti-greying properties due to its solid mineral binder which is non thermoplastic. Small dirt particles which settled on the surface cannot unite with the surface of the render and can therefore be washed of by rain or blown of by wind. This leads to long lasting beauty, sheen and cleanliness of your facade.</p>
<p>What are the USPs for CrystalTop?</p>	<ul style="list-style-type: none"> • Highest protection against dirt • Outstanding durability • Natural & extremely breathably
<p>What does Anti-Greying mean?</p>	<p>The surface of standard renders show visible greying over time due to the used binder technology. These so called polymere binders get soft and sticky at medium temperatures. Hence, small dirt particles unite with the render and can therefore no longer be removed from the surface.</p> <p>However, the natural crystalline surface of CrystalTop features highest anti-dust and anti-greying properties due to its solid mineral binder which is non thermoplastic. Small dirt particles which settled on the surface cannot unite with the surface of the render and can therefore be washed of by rain or blown of by wind.</p>
<p>What does organic mean?</p>	<p>In general we devide in 2 different kind of binders:</p> <ul style="list-style-type: none"> • Organic binders are polymere dispersions based for example on acrylic or methacrylic acid. Hardening is achieved by evaporation of water. • Mineral binders are fine powders, for example cement, gypsum, lime, Hardening can be achieved by hydration. <p>There is also a special mineral binder:</p> <ul style="list-style-type: none"> • Silicate binders are mineral binders which are dissolved water glass. Hardening is achieved by chemical reaction and leads to an insoluble, hard mineralic layer.

CrystalTop is a mineral render - What does that mean?	Since the organic content of CrystalTop is below 5%, the render can be declared as mineral render in respect to the DIN 18363. However, CrystalTop does not contain a silicate binder but a hydraulic binder. Their main advantages are the following: <ul style="list-style-type: none"> • Highest breathability (water vapour permeability) • Non-thermoplastic and therefore extremely reduced dirt pick-up • In case of CrystalTop: More than 95% of the raw materials used are crystalline & inorganic and come from natural quarries.
Can I order CrystalTop with extra protection against algae and fungi?	Yes, CrystalTop can be ordered with extra protection against algae & fungi.
Can I order CrystalTop without biocides?	No
Why is the new mineral binder technology, used in CrystalTop, so unique and special?	CrystalTop is the first mineral render from Baunit*, which is ready to apply in a bucket and comes coloured in Life colour tones 3 - 9. *according to DIN 18363
What is the maximum possible thickness of CrystalTop for it to be set & dry properly?	The maximum thickness is 3 mm, which comes from the floated texture 3 mm.

Application



Question	Answer
Are any special masking measures required?	The CrystalActivator shows a high pH-value of ca. 12. Any areas which should not get in contact with high pH-value must be protected.
Is any personal safety equipment recommended during application?	Due to the high pH-value of the CrystalActivator, personal safety equipment such as protection goggles and suitable gloves are recommended.
Which Baunit facade paints can be used to paint over CrystalTop?	All Baunit facade paints are suitable for painting over CrystalTop after a minimum drying time of 14 days, Baunit recommends StarColor. However, the promoted CrystalEffect is no longer active.
Does Baunit offer a facade paint corresponding to CrystalTop?	Not at the moment, but our specialists in the Baunit Innovation Center are already working hard to offer a corresponding paint in the near future.
What is the maximum dilution for CrystalActivator?	Activator must not be diluted. Its consistency is ready to apply.

What is the maximum dilution for CrystalTop?	Officially CrystalTop must not be diluted. However, upon request from applicator can be max. 0,5 % of fresh tap water allowed for dilution, which equals 125 ml for 25 kg of CrystalTop (1 bucket).
CrystalSet can be applied at which temperatures?	Both, CrystalActivator & CrystalTop can be applied at temperatures over +5°C and below +35°C.
I want to apply a 1mm texture in 2 layers, how should I proceed?	Between the two layers of CrystalTop Fine (1mm) you have to apply an additional layer of CrystalActivator to activate the 2nd CrystalTop layer.
How do I conceal scaffolding anchors?	In this case it is allowed to mix 2,5 vol % of CrystalActivator directly into CrystalTop to start the reaction process. For example: 1 l CrystalTop + 25 ml CrystalActivator 1 kg CrystalTop + 18 g CrystalActivator

Order

Question	Answer
Available textures for CrystalTop	Floated texture: <ul style="list-style-type: none"> • 1,0 mm • 1,5 mm • 2,0 mm • 3,0 mm Grooved texture: <ul style="list-style-type: none"> • 2,0 mm
What bucket sizes are available for CrystalTop?	25 kg bucket, 1 pallet = 32 buckets = 800 kg
What bucket sizes are available for CrystalActivator?	20 kg bucket , 1 pallet = 32 buckets = 640 kg 5 kg bucket, 1 pallet = 64 buckets = 320 kg
Where can I order the CrystalSet?	CrystalSet can be ordered in Wietersdorf and Wopfing (both in Austria). It is currently only produced in Wietersdorf in Austria.
Is there also a concept to produce CrystalSet in the final pasty plants with a compound.	First we want to see the development of CrystalSet sales before we move to a local production in the countries. A first concept (like a compound) has already been developed and is tested in 2025.

Approvals & ETA

Question	Answer
----------	--------

CrystalSet is integrated in which approvals & ETAs	CrystalSet is currently implemented in Bamit ProSystem, StarSystem EPS & StarSystem Nature. A confirmation letter from TSUS (Baumits technical approval body) which confirms that the Baunit CrystalSet can already be used in StarSystem MW is available.
--	--

Others	
---------------	---

Question	Answer
I have a NanoporTop reclamation. What facade paint shall be applied if NanoporColor is no longer available?	StarColor is our recommendation
How can we check if the applicator used CrystalActivator before applying CrystalTop?	Cut out a sample so that the Baunit Innovation center can check.
What impact resistance category does the CrystalSet achieve?	Even though CrystalTop is a mineral topcoat render it does achieve the same impact resistance category as standard polymere renders. However, CrystalTop is less flexible and therefore shows less reserves in case of a hard impact.
When can I clean the facade after application?	Due to the different binder technology the cleanability of CrystalTop shortly after application is limited. However, as time goes by the render develops its final strength which is significantly higher than ordinary ready-to-use render. In case of doubt, the cleanability of the facade can be tested on a concealed surface.