

# Blue Climate AG

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Time to change



**UNDERBOLD-POD30**



In combination with

## UNDERBOLD-POD30

the properties of the known hydraulic binders are positively improved and an unbeatable overall system is created for the elimination of many problems and restrictions in road construction from an economic, technical and ecological point of view.



## Technical profile

related to the use of a hydraulic binder without the use of

## UNDERBOLD-POD30



### UNDERBOLD-POD30

- ▲ Increase in load-bearing capacity
- ▲ Increase in the modulus of rigidity
- ▲ Increase in elasticity
- ▲ Reduction of the setting time outside the processing period
- ▲ Reduction of the tendency to shrink and thus practically free from cracking
- ▲ No load transfer from setting reactions into superimposed layers
- ▲ No notching or relaxation required

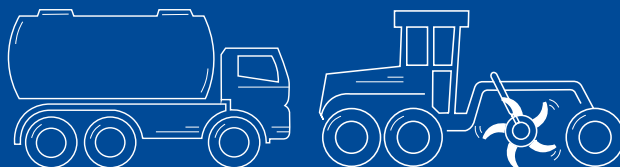
- ▲ Increasing the dimensional stability in cross section
- ▲ Hydrophobic setting and Reduction of water penetration depth
- ▲ Reduction of micropores and capillary action
- ▲ Complete frost resistance
- ▲ Adaptable use depending on soil composition and water-content

- ▲ Can be combined and expanded with measures to improve and reinforce of the building substrate
- ▲ Complete avoidance of discharge of pollutants from treated soils and contaminated layers
- ▲ It makes any material in the soil agglomerate

**1**  
Levelling of the surface,  
removal of the top layer  
of the oranium, Preliminary  
profiling.



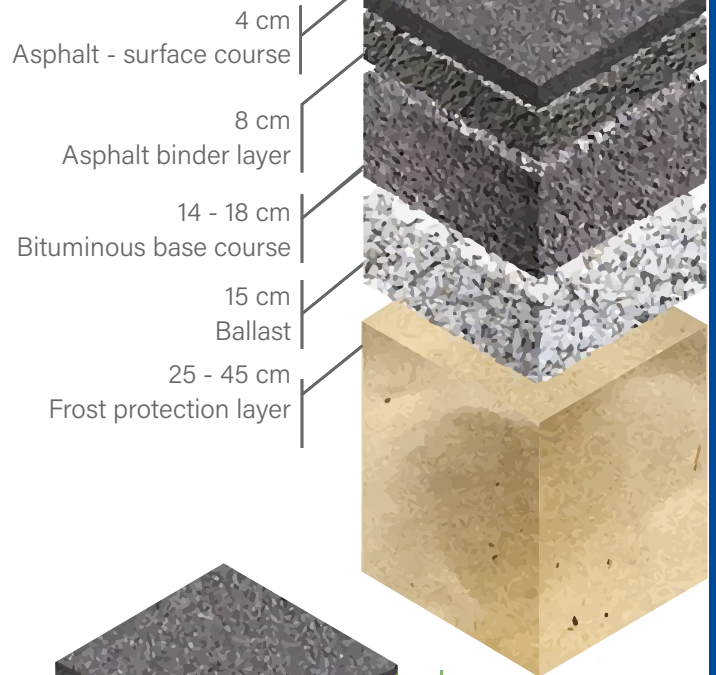
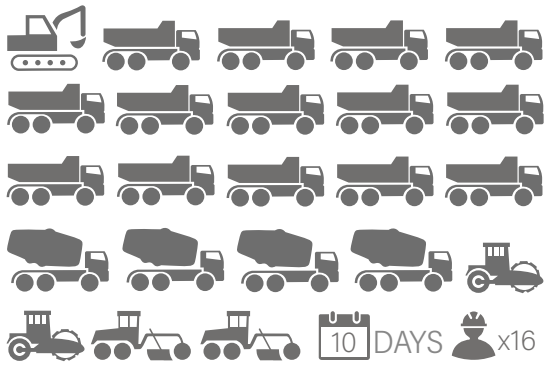
**2**  
Mix the UNDERBOLD-POD30 emulsion.  
Crush the soil and mix with the  
UNDERBOLD-POD30 emulsion and water.  
Preliminary profiling.



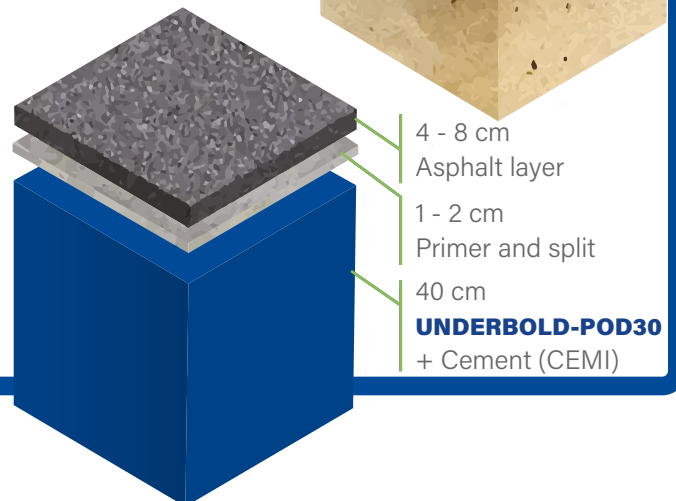
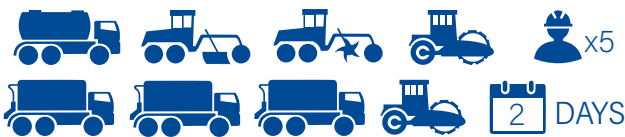
**3**  
Maximum  
Compression  
of the mixture.



## Conventional road construction



## Road construction with UNDERBOLD-POD30



## Economic profile

- ▲ Significant time savings due to shorter construction time of the overall product
- ▲ Reduction of the layers of the bound superstructure to load-reflecting layer thicknesses depending on the traffic volume
- ▲ Reduction of the cement requirement based on the load-bearing capacity requirements
- ▲ Lower maintenance costs
- ▲ Reduction or avoidance of ground movement outside of gradient adjustments
- ▲ Elimination of landfill and disposal fees outside of gradient adjustments
- ▲ Reduction of influence on flowing traffic

## Treatment

- ▲ The application of UNDERBOLD-POD30 does not require any special or additional equipment or facilities or additional devices or equipment compared to conventional stabilisation.
- ▲ The optimum mixing ratio of the additive with the cement and the mineral mixture (soil or rock) is determined based on the properties of the soil to be tested and adapted to the requirements of the client.
- ▲ Sampling and control tests to prove the optimum quality success are based on the application and the client's specifications.
- ▲ UNDERBOLD-POD30 has convincingly demonstrated its properties in many countries and has proven its effectiveness.

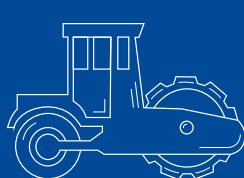
Mixing the soil with the binder.

4



Maximum compaction of the mixture.

5



Final profiling of the desired gradient.

6





**We connect people and roads.  
You can count on us!**



## **Blue Climate AG**

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