



# Proposed System for Waterproofing Basements

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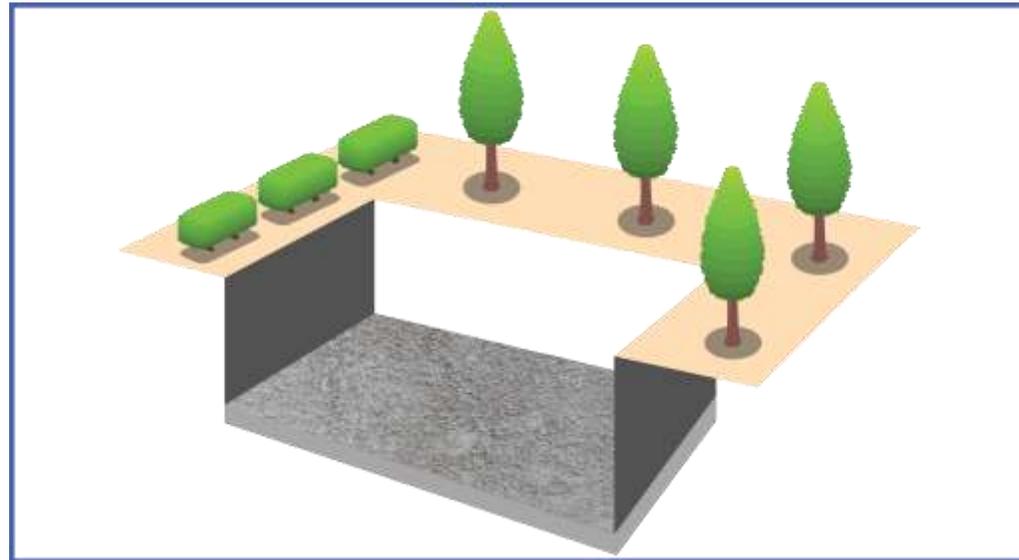
# Why is basement waterproofing important

Basement waterproofing is one of the most important measures that should be taken to protect the structure. There are a lot of things that may lead to a wet basement. The walls of the basement may have cracks that allow water to leak in. Heavy rains are also one of the causes of damp basements. The basement is just as important as any part of the structure, and it is essential to keep it in good condition. For this reason, it is vital to always make sure that the basement is always dry. One of the most important reasons to waterproof the basement is that it is a big part of the foundation of the structure. This means that anything that happens to the basement contributes to what will happen to the foundation of the Structure. Ressichem has a variety of products which can be used at the time of construction to ensure long terms maintenance free basements. All these products are used as a system to ensure watertight basements.

# Other Steps

Stone Soiling

Lean Concrete



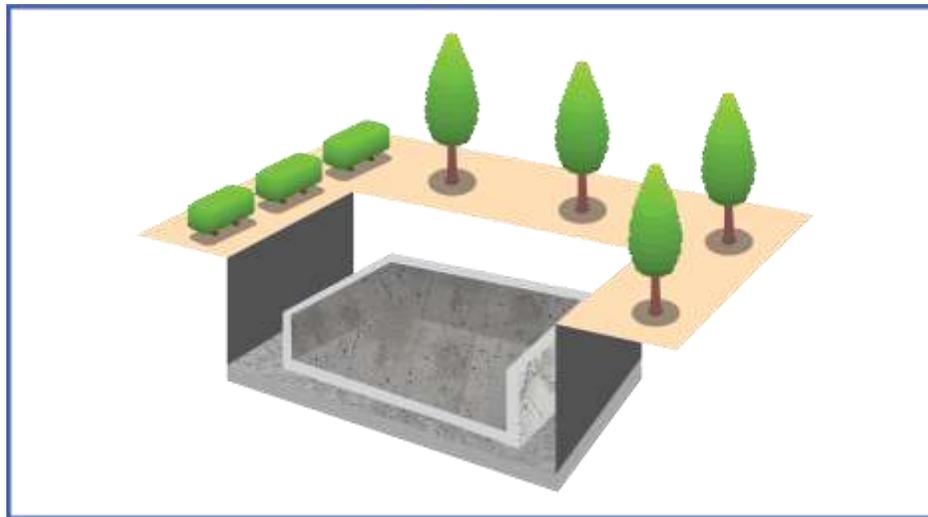
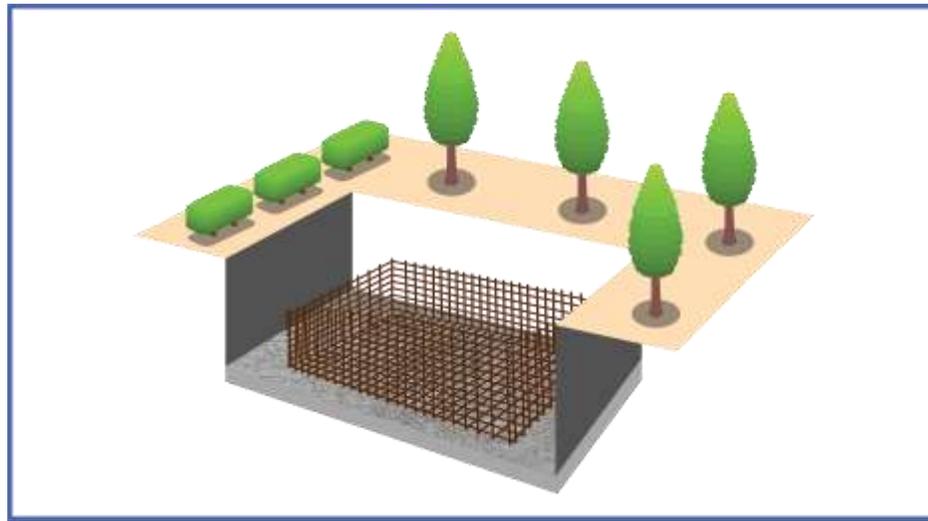
# Step 1

Protection of Lean concrete with **Water Guard 491**.



## Step 2

Addition of **Max Flo integra 3 (powder)** Admixture in raft and retaining wall concrete.



**MAX FLO**  
**INTEGRA 3 (POWDER)**  
INTEGRAL WATERPROOFING AND PLASTICIZING POWDERED ADMIXTURE



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## Step 3

Application of **Ressi Swell Bar Pro 60 (Swellable bar)** in the retaining wall joint.



**RESSI**   
**SWELL BAR PRO 60**  
Swellable bar for sealing concrete joints

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## Step 4

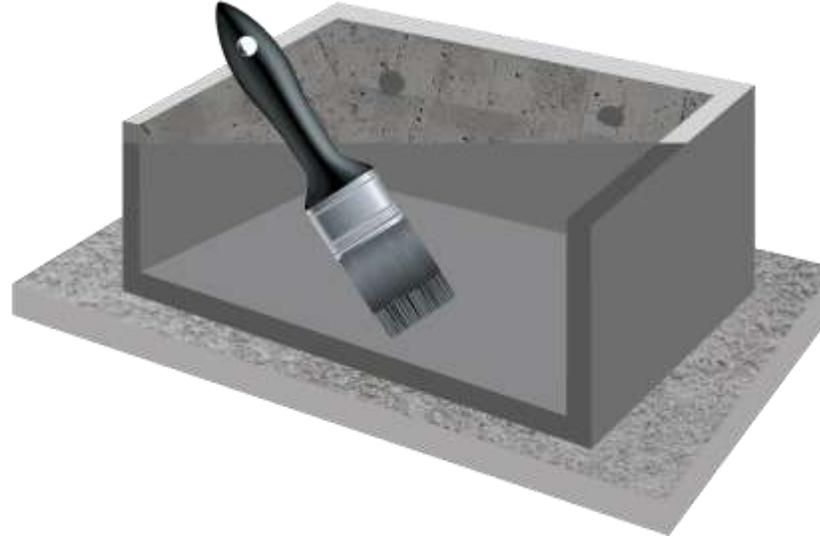
Repairing of all the concrete defects using Patch 365 Plus.



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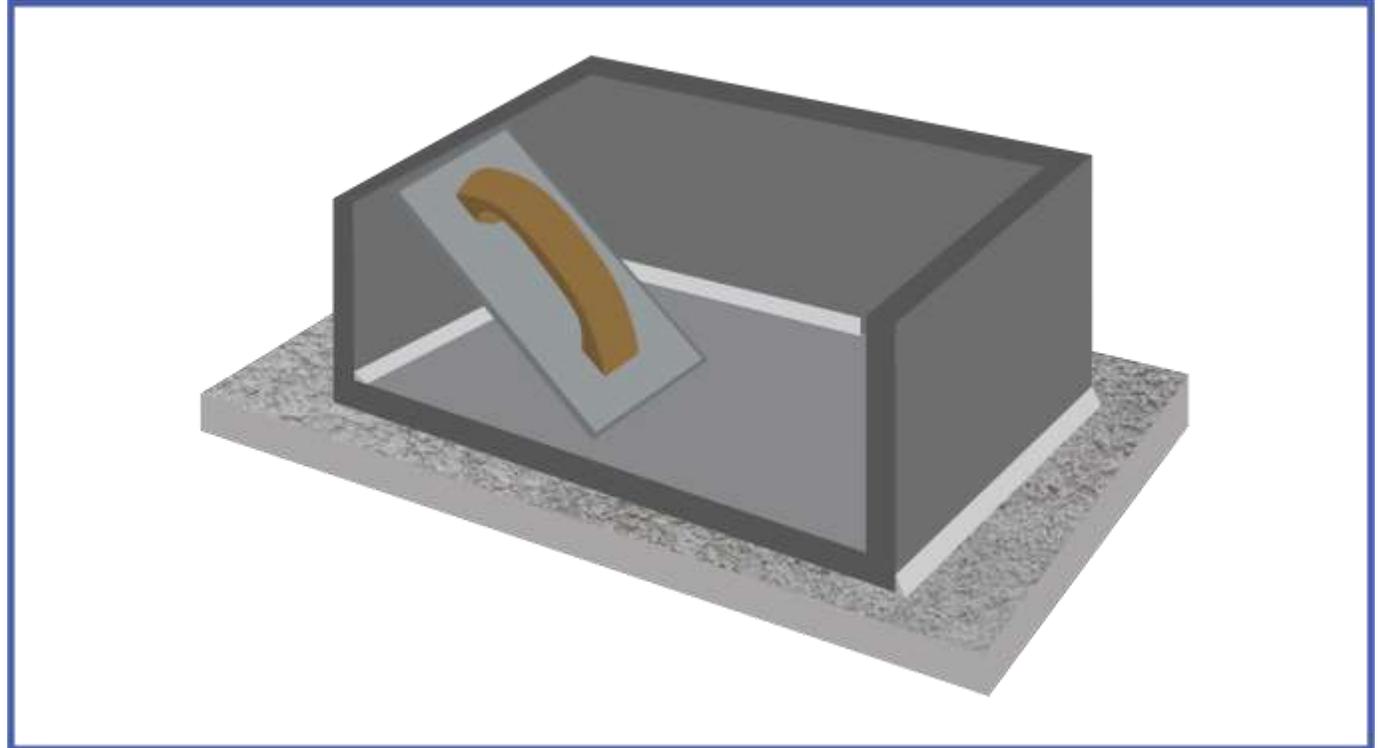
## Step 5

Application of **Water Guard Crysta Coat 101** over the surface of the concrete both internal and external.



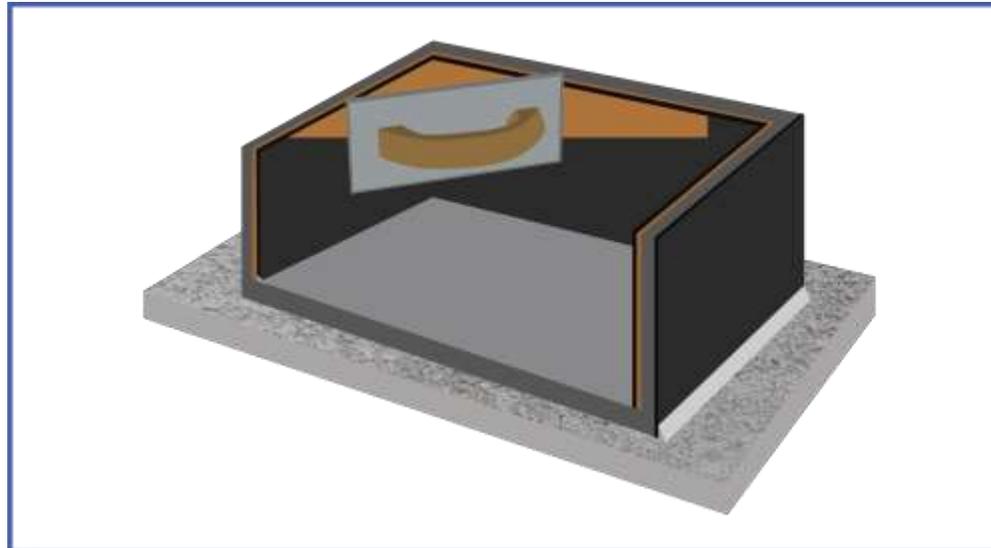
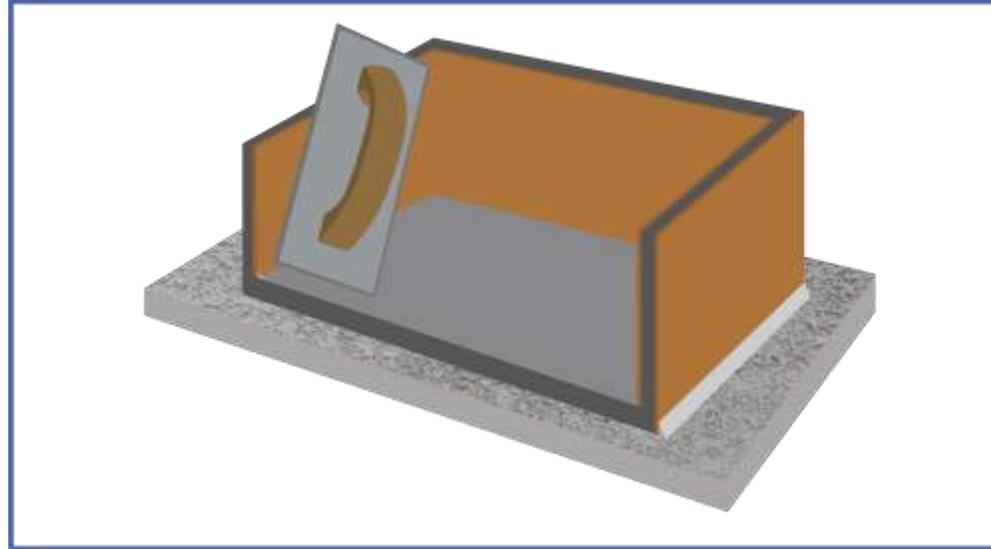
## Step 6

Making external chamfers between the raft and the retaining walls using **Patch 365 Plus**.



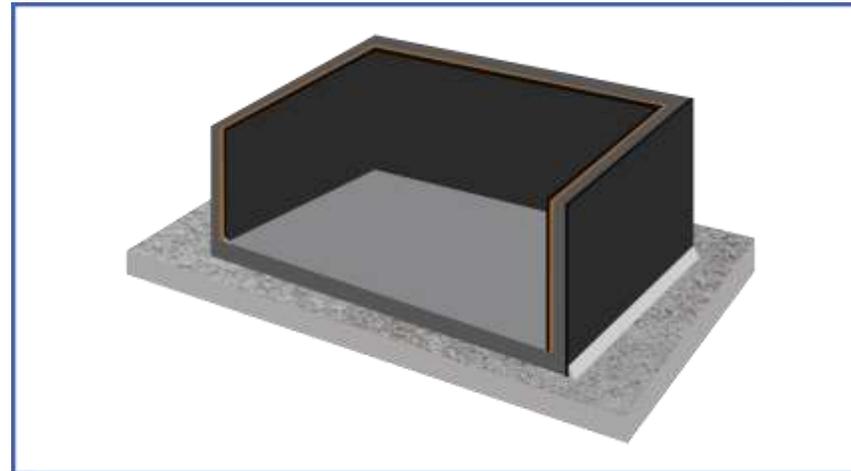
## Step 7

Plastering of all the areas of the basement with the addition of **Ressi SBR 5850** and **Silmix** all over the concrete internally and externally.



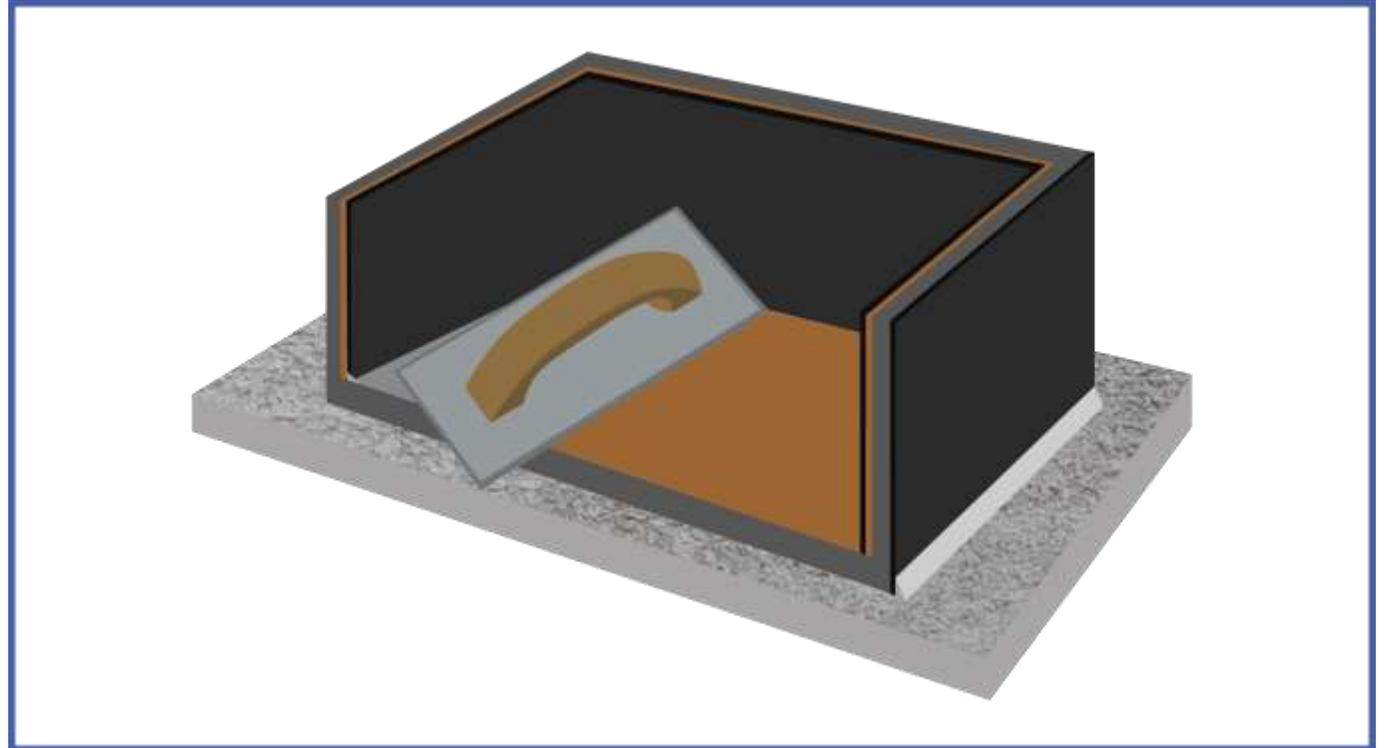
## Step 8

Application of **Water Guard 491** on the external plastered surface of the basement.



## Step 9

Screeding the basement  
using **Ressi SBR 5850**  
and **Silmix**.



**SILMIX**  
WATERPROOFING ADMIXTURE FOR  
PLASTER AND SCREED

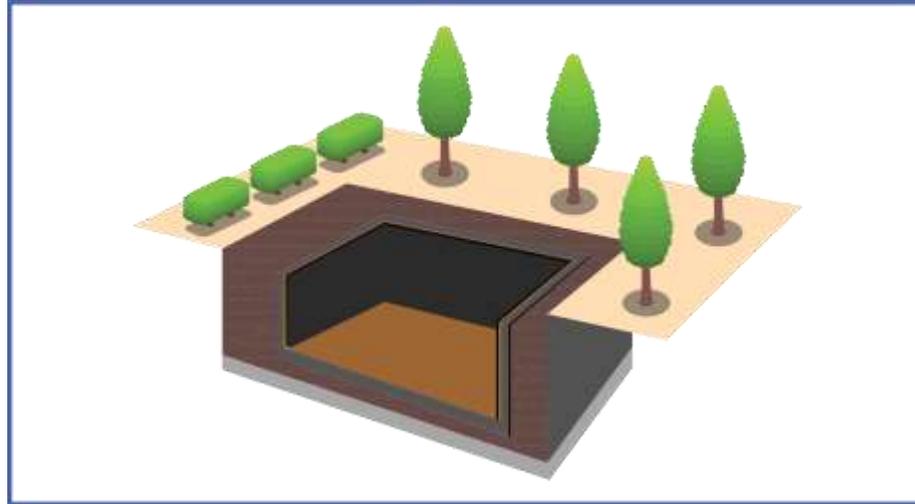
**RESSI**  
**SBR5850**  
STYRENE BUTADIENE RUBBER BASED BONDING  
AID & ADDITIVE FOR CONCRETE AND MASONRY  
(HIGH SOLID CONTENT)



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# Step 10

Final inspection and back filling.



# A Durable maintenance free system for the waterproofing of basements.



Thank You

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