

TEKNO[®]
construction chemicals

Stamped Concrete Surface Hardener



Teknoserbaski

Stamped Concrete Surface Hardener With Different Colors



Application Instructions:

Before applying TEKNOSER BASKI, it is very important that the floor is ready. Otherwise, cracks will occur in the concrete. If the oil to be applied; compression should be done very well.

For this reason, after compressing the ground with cylinders, the cylinder must be wetted with water tank and passed over again. Surface tests such as layer test should be done to check that the hardener can be made. These procedures must be repeated until the ground is well pressed. In order to prevent the concrete to lose its juice and to prevent cracks sera nylon is laid on the soil surface. If TEKNOSER BASKI ground hardener will be applied by pouring screed concrete on the existing concrete, after the concrete surface is cleaned, floats or monolithic screed application should be chosen according to the Project needs. Before the application and should be formed in square form by planning according to the Project, the crack joint t should be determined and the screed should be made according to these principles. If the box profiles will be used while anos are formed, the mortar used for fixing should be removed when the screed is poured. Ano molds should be cleaned before each application and a TEKNOIL mold separator should be used to remove the edges of the screed concrete.

Ano molds used when pouring screed concrete should be designed at the height of the screed. The fact that the tools to be used have a lamp-zipped structure will prevent the concrete under load from collapsing through the cold joint sections.

CE TS EN 1504 – 2

Product Description:

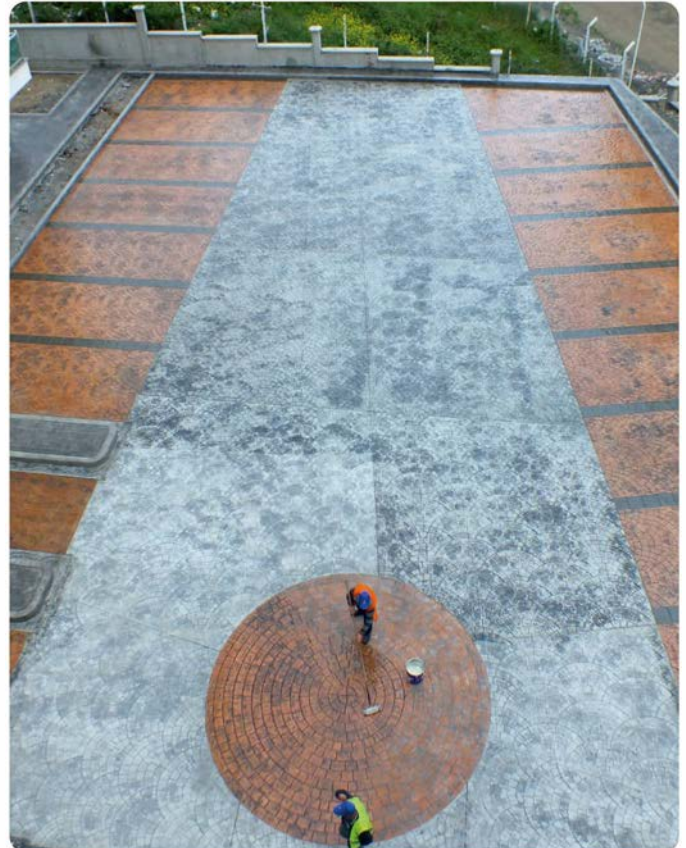
Quartz aggregate and other additives, resistant to wear and tear, used as monolithic on fresh concrete, ready to use, stamped concrete surface hardener with many standart colors.

Areas of Usage:

- Indoor and Outdoor
- Car park,
- Garage and ramps,
- Decorative appearance requested place,
- Hangars and mechanical workshops,
- Tunnels, subway stations,
- Sidewalks, fairgrounds and shopping malls where pedestrian traffic is intense,
- Wear resistance is applied in requested areas.

Features and Benefits:

- It is used by sprinkling on fresh concrete by hand or with a machine.
- Provides resistance to dust.
- It is more resistant to wear.
- It is more resistant to strike.
- It increases the impermeability of concrete.
- It increases an aesthetic, colorful and decorative surface.
- High resistance occurs due to low water/cement ratio on the concrete surface.
- The hardener becomes part of the concrete structure applied.
- It shows resistance to the cracking of the concrete resulting from the freeze - thaw.



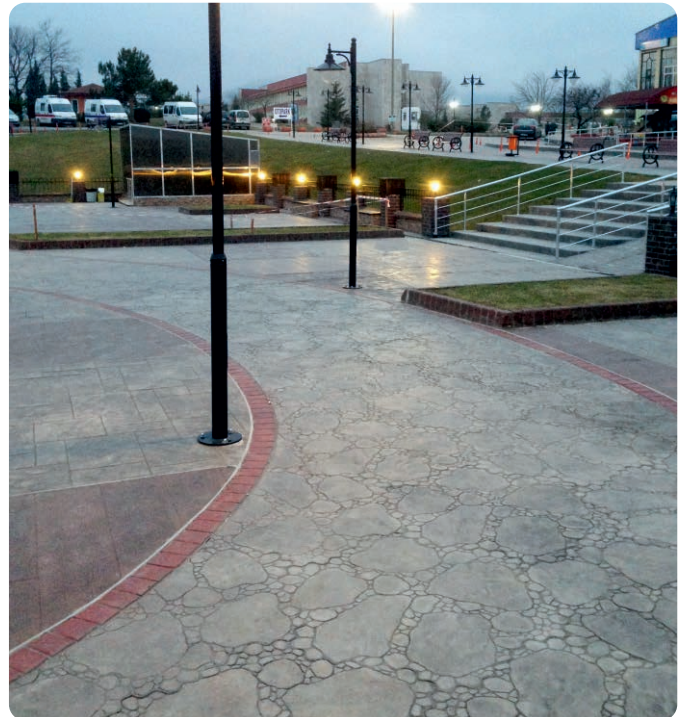


A min of 2 cm thick thermal insulation plate is placed in such as walls, curtain walls around the floor to be applied to the press concrete. In the middle column, elevator curtains, curtains around the min 2 cm heat insulation plates are applied. In this way, a gap is created to allow the screed concrete to run. This allows the cap to expand and shrink freely without cracking. The gaps left after the completion of the application should be filled with TECHNOLIDERZ 1K or 2K.

TEKNOSERBASKI should be sprinkled in such a way that it does not decompose when applied. Sprinkle process, according to ambient and weather conditions, when the concrete is on, 0,5-1,5 cm deep footprints should be hardened enough to remain. The material should not be poured on the ano as a lump, sprinkled as homogeneously as possible and corrected with a squeegee. If the material is poured onto the ano surface and spread with a plinth, the material should be scraped off and cleaned from the surface where the first poured material remains thicker. In the first stage, 2/3 of total consumption should be sprinkled on the concrete surface and spread with the help of a squeegee or a machine. After the concrete is hardened enough, ano should be cut at least 4 mm width and the joints should be formed. The joints created should be filled with TECHNOLIDERZ 1K or 2K in order to prevent the problems such as cracks and dust from the joints. Light colors such as yellow, blue, white the TEKNOSERBASKI application is definitely not recommended. If it is to be done again at least 6-7 kg/m² and 1/3 should be applied at 3. Immediately after the polishing, the mold separator technique is sprinkled on the surface and the printing process is started with the molds. After 1-2 days, the surface is washed with pressurized water until the desired effect and image is obtained. Joints are cut in 1-3 days. TEKNOCILA 300 can be applied to the cleaned and dried TEKNOSERBASKI surface from the mold separators. Wet appearance in undesirable situations, polish process should be done with TEKNOCILA 400.

Application Notes / Restrictions:

- The press concrete application is done with timing, depending on the quality and type of concrete to be applied, weather and ambient conditions. Application speed increases in hot weather, application speed decreases in cold weather. When applying, attention should be paid to the setting stages of concrete.
- Product may cause sensitization by skin contact. Protective gloves or goggles should be worn. Protective cream can also be applied before work. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Application should be avoided in windy, extreme cold and hot weather conditions.
- In cases where relative humidity drops below 40%, florescence may occur depending on the type of cement used in the concrete used.
- Joint cutting should be done as soon as possible, after the application. If it is cut after 3 days, it will be difficult to cut and concrete cracks will be seen on the surface.
- The application of pressure concrete should not be done in very windy or dry air conditions.
- Some of the cement is replaced with volatile ash, concrete is more sticky and workability is low should not be used.
- Changes in concrete properties such as water and cement content can cause slight differences in color.
- 4 Depending on the natural variety of concrete applied to the pressure concrete can create a difference in color.
- To ensure color consistency and continuity, the floor placement process should be done as clean and protected from the environment as possible.
- During the drying process, color differences are normal and expected. Each process must provide a proper TEKNOSERBASKI application.
- Suitable dark colored TEKNOAYRAC for the ancient look should be preferred.



Technical Data

General Information	
Color	Various Colors
Shelf Life	12 months in dry environment in unopened packaging
Package	25 kg kraft bag
Application Information	
Outlay	3-5 kg/m ²
Application Temperature	(+5°C) - (+30°C)
Cleaning Duration	4 hours (+ 20°C)
Performance Information	
Bending Resistance	≥ 7 N/mm ²
Compressive Resistance	≥ 50 N/mm ²
Wear Resistance (According to the Böhme Method)	≤ 5,5 cm ³ / 50 cm ²
Fire Resistive	A1

Technical data are approximate values obtained from the laboratory study of Tekno Construction Chemicals for finished products obtained at +20°C air temperature and 50% relative air humidity and valid for its performance after 28 days.



Teknoayrac Antik

Mold-release Agent Providing Distressed Appearance for Stamped Concrete



Product Description:

It is a one component, pulverized product which provides both mold-release agent and colorant, distressed surface appearance in stamped concrete systems.

Areas of Usage:

- Inner and outer spaces,
- Vehicle and walking trails, pavements ,
- Malls, fair areas,
- It is used in molds used on stamped concrete systems.

Features and Benefits:

- It avoids stamped concrete system molds to stick on concrete and breakage of edges.
- It avoids mold to separate from concrete easily and fast.
- It allows mold figures to reflect on concrete surface completely.
- It leaves distressed-impression on applied TEKNOSERBASKI surface.

Application Instructions:

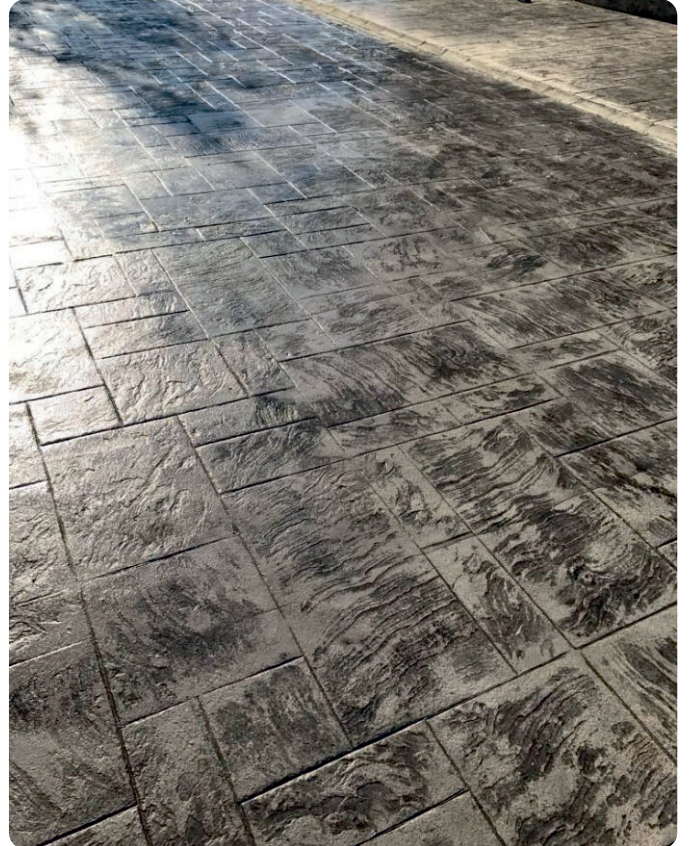
After TEKNOSERBASKI application, TEKNOAYRAC ANTIK pulverized material is scattered on surface completely. Printing system by molds is applied. Pressurized washing treatment is applied depending on required surface 1-2 days later. As high-pressure washing creates less- distressed view, low-pressure washing creates a more distressed surface view.

It should be protected against negative weather conditions such as direct sunlight, strong wind, high air temperature (over +35°C), rain

and frost after the application. As hardening will be completed a few days after the application, cleaning can be done only by using mechanical equipment. Immediately after the application, just before becoming hard, equipment should be washed with water and hands should be washed with clean arm water and soap.

Application Notes/ Restrictions:

- Product may irritate the skin.
- Protective gloves, mask and goggles should be used.
- In case of using less than required, demanded decorative image may not be obtained
- In case of contacting mortar with eyes, eyes should be washed with warm water and medical advice should be sought.
- Product may irritate the skin. Protective gloves, mask and goggles should be used, protective cream may be applied to hand before starting to work.
- In case of contacting mortar with eyes, eyes should be washed with warm water and medical advice should be sought.



Technical Data

General Information	
Appearance	White and grey powder
Package	20 kg-Kraft bag
Shelf Life	12 months
Wastage	Approx. 0,200-0,400 kg/m ²

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Teknocila 300

Concrete Varnish and Sealer



CE TS EN 1504 – 2

Product Description:

Acrylic based, high-performance, dusting-preventive, multi-use concrete varnish, insulation and protection material.

Areas of Usage:

- To protect surfaces with concrete and other cement on buildings and infrastructures,
- For grounds and walls with bright appearance demand
- To increase service life of concrete,
- To freshen up bright, colorless and surface which is ready to use for concrete surfaces with apparent aggregate,
- Surfaces surface hardener applied,
- Screed concretes,
- Concrete pouring on hot climates.

Features and Benefits:

- It avoids dusting as it increases wearing resistance of surface.
- It is easy to apply as being one-component.
- It ensures concrete to be resistant against chlorine.
- It dries faster as solvent within removes very fast.
- As it increases sealing, it avoids cracks to occur as a result of liquid frost.
- It is used as polish thanks to bright film layer it formed.
- It protects concrete against atmospheric effects which can penetrate as salt or gases into concrete.
- It decreases showing dirt and color of concrete doesn't change with rain effect.

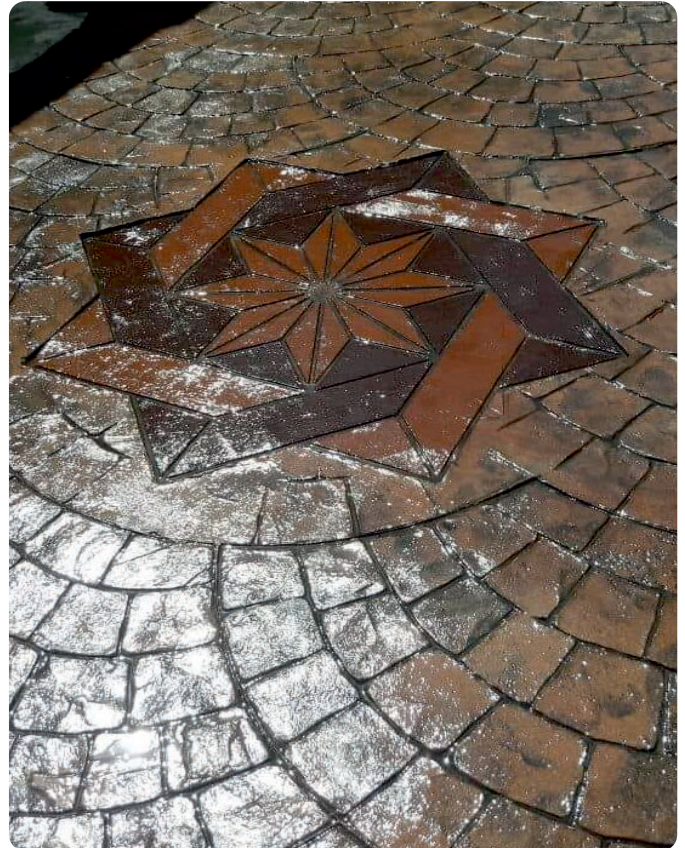
Application Instructions:

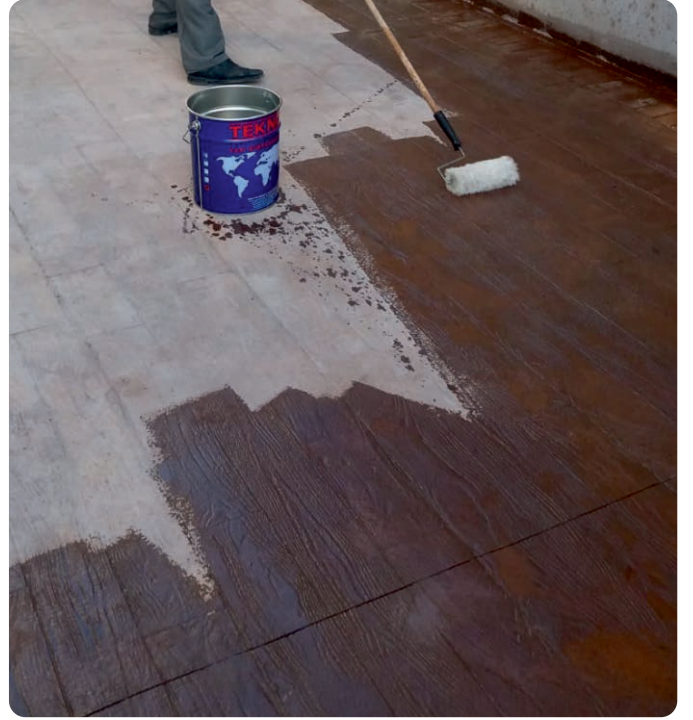
Surface Quality: Surface has to be cleared of loose particles and cleaned from any kinds of materials avoiding to stick and dust, dirt and oil.

Surface Preparation: Exposed concretes in open areas without a coating over should have firm and dry surface and cleared of loose particles. Convenient surface preparation methods should be cleaned with vapor, high-pressure water or roughening.

TEKNOCILA 300 is ready to use. Don't apply when raining is expected. Resolving salt or sea water leaps may cause brightness lose or color change.

Curing Phase: It doesn't require a special cure treatment, it should only be protected from rain for at least 1 hour by approximately +20°C only (It becomes resistant to dust in 30 minutes). Mix well before application and after opening package. It can be applied by brush or roll with short pile manually or by automatic spraying machines.





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Technical Data

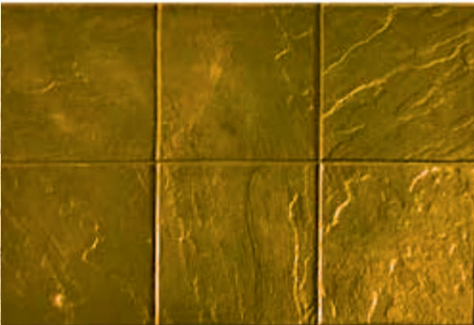
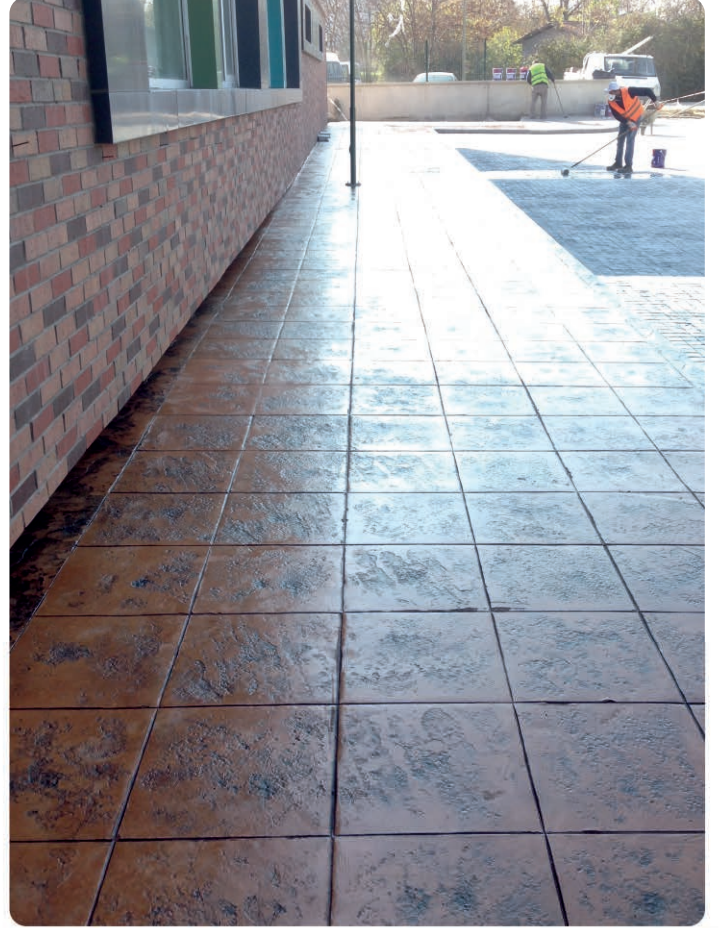
General Information	
Color	Transparent Liquid
Package	17 lt Tin
Shelf Life	12 months in unopened original package
Flashing Point	+90°C
Density (kg/lt)	0,92 (± 0,03)
Application Information	
Pot Life	2 hours
Wastage	Brush, Roll: 0,100 - 0,200 liter/m ² Spraying: 0,150 - 0,250 liter/m ²
Temperature of Surface to Apply	(+5°C) - (+35°C)
Dry Film Thickness	135 (±15,00) µm
Complete Cure	5 days
Standards	in accordance with ASTM C 309-81

Technical data are approximate values obtained from the laboratory study of Tekno Construction Chemicals for finished products obtained at +20°C air temperature and 50% relative air humidity and valid for its performance after 27 days.



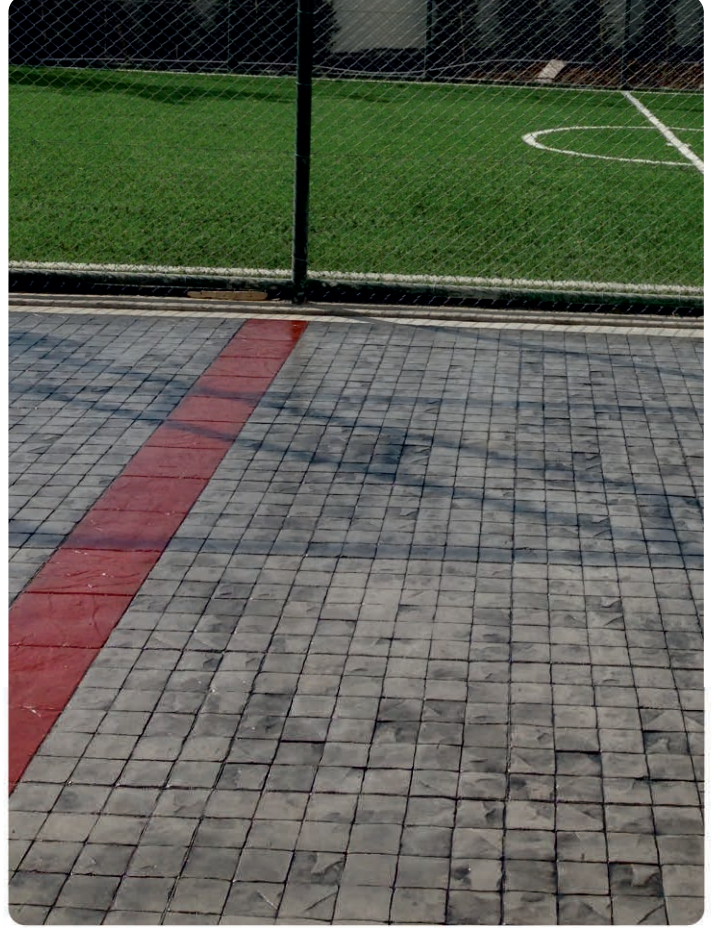


Tile Blue Stone Stamp



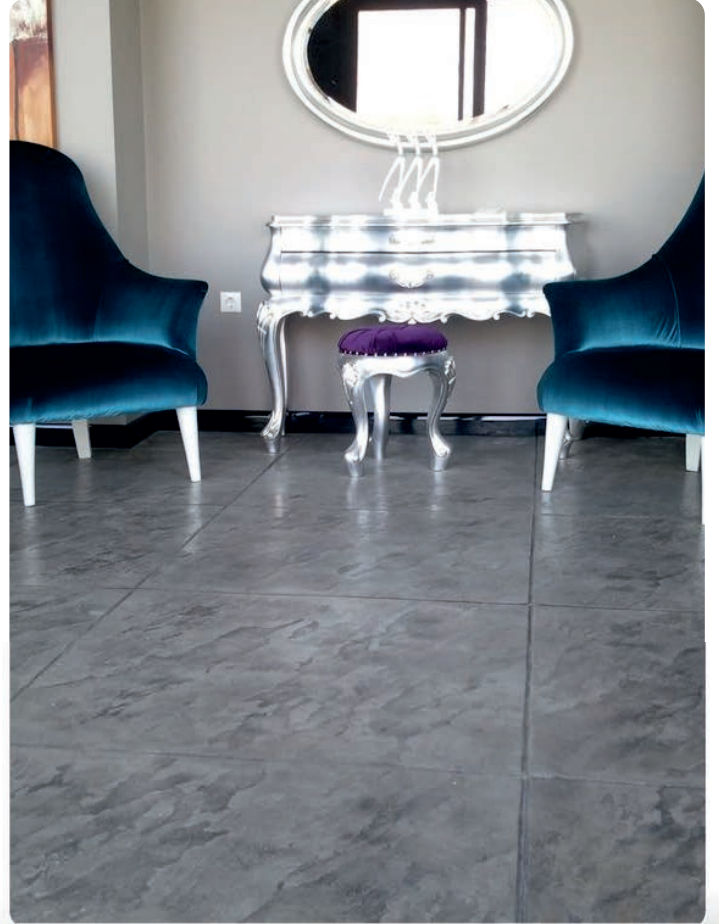


10 cm Cobble Stone



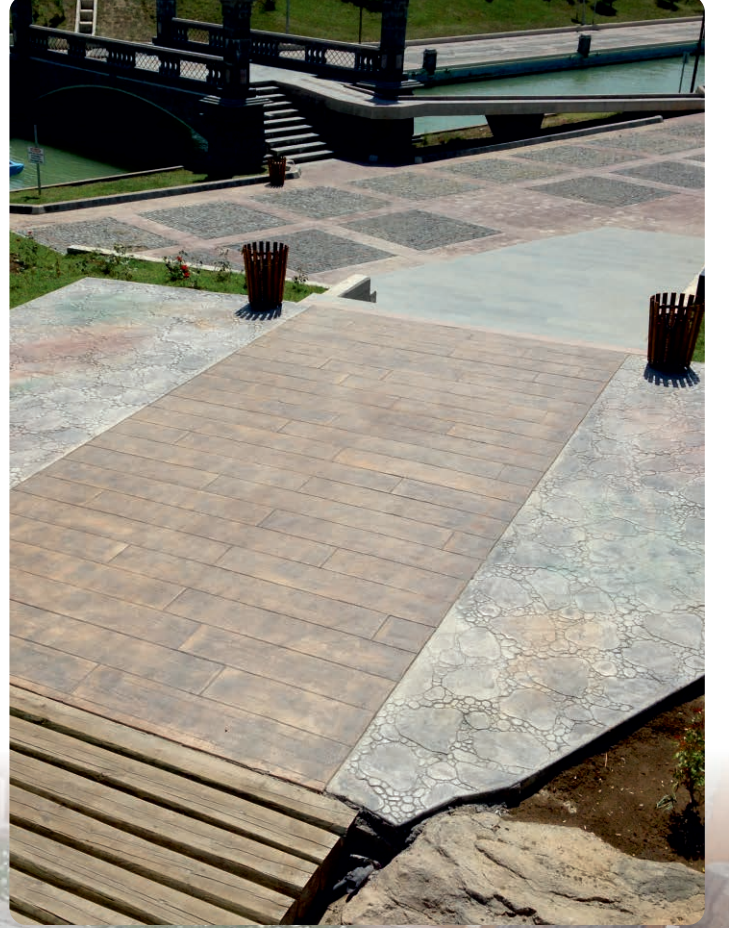


Floppy Stone Texture Stamp 90x90



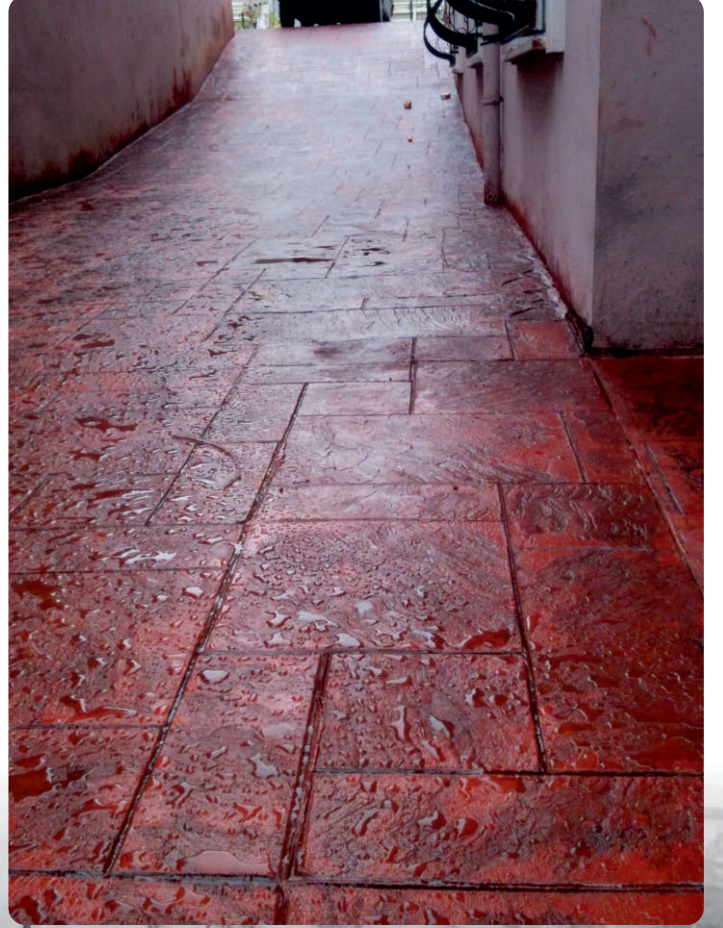


Old Wood Stamp



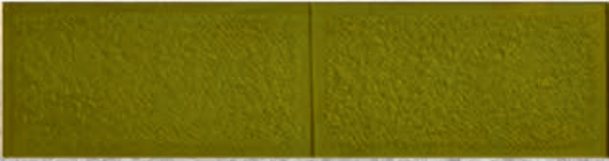


Ashlar Stone Stamp



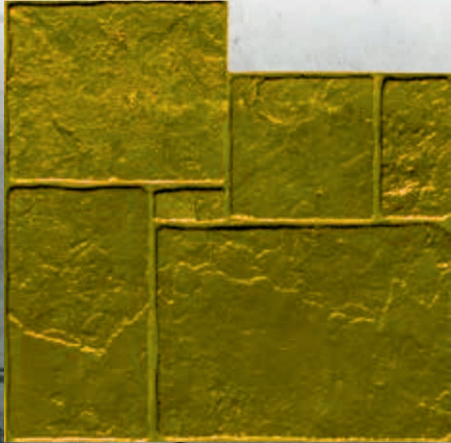


Large Bushed Stone Border





English Ashlar





European Fan Stone



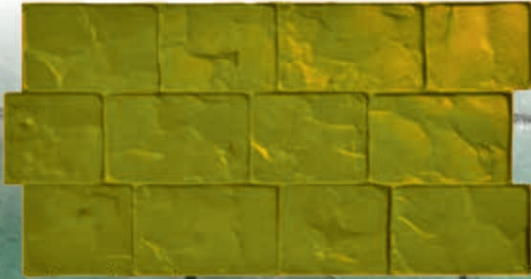


Herringbone Stamp



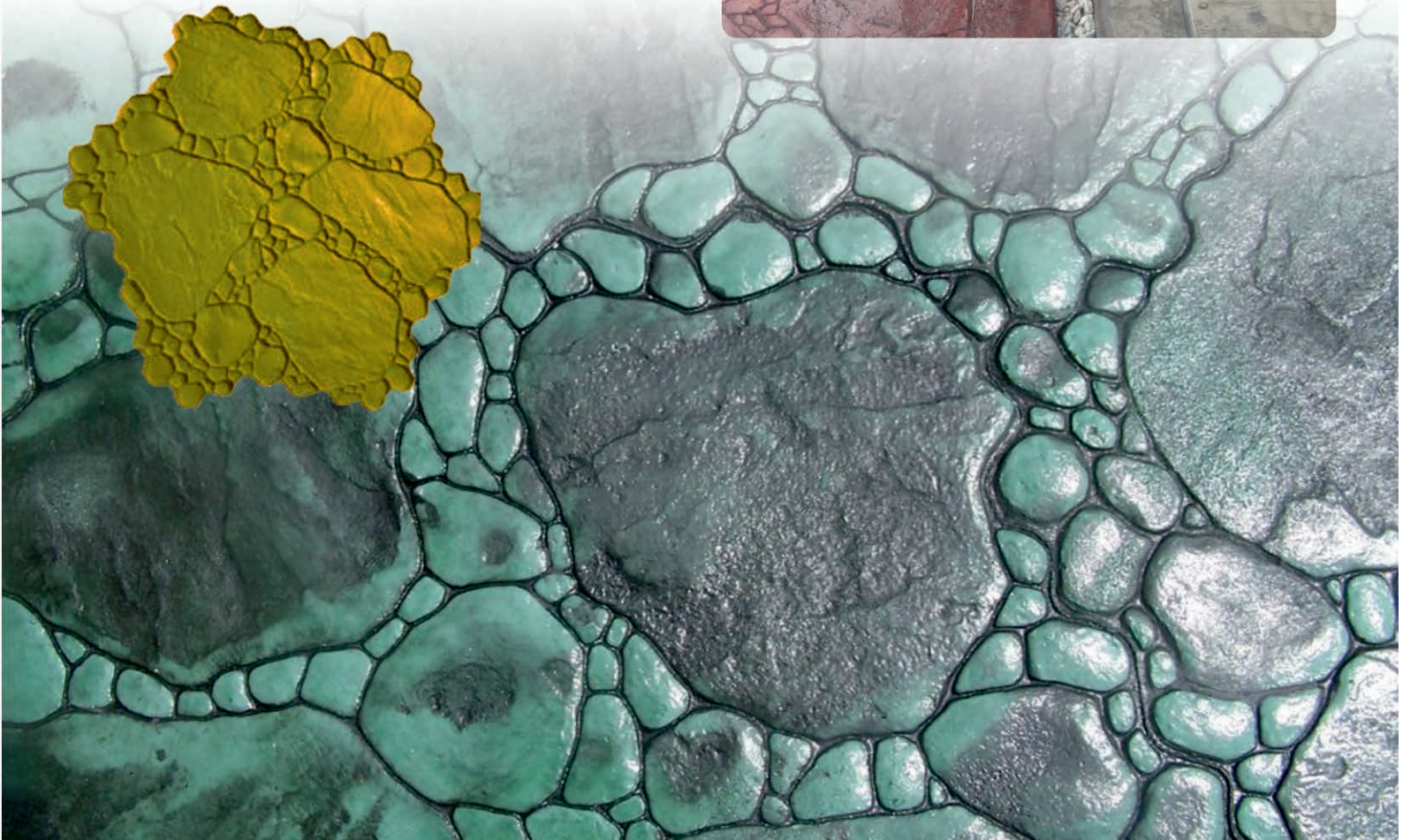
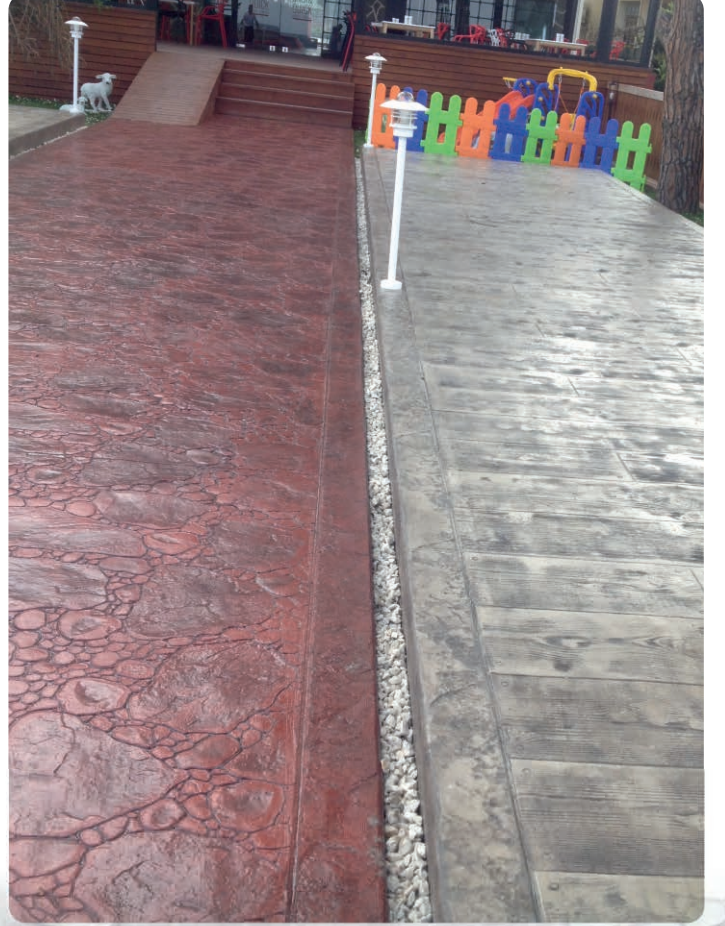


London Cobble Stamp





Garden Stone



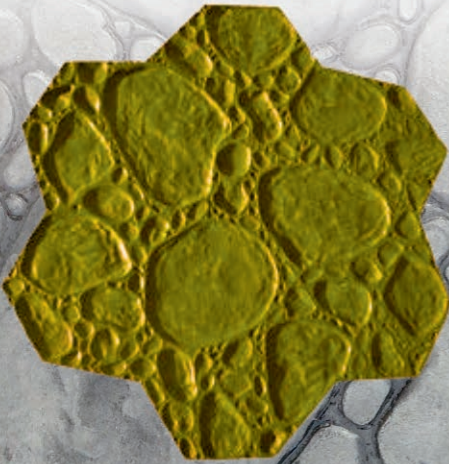


Circle Stone Stamp



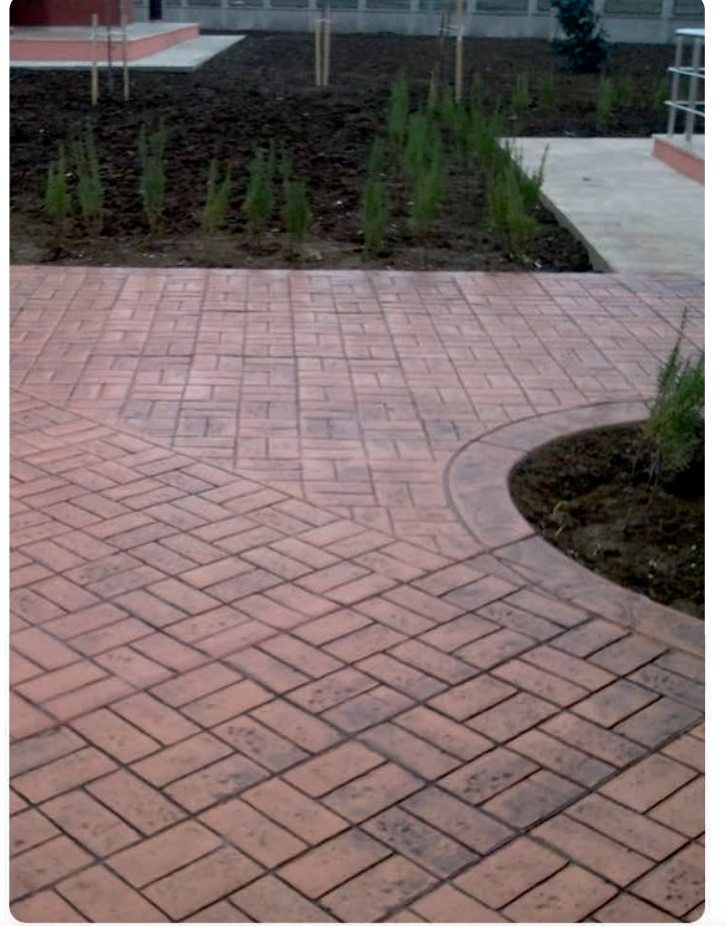


Palladian Slate Stone



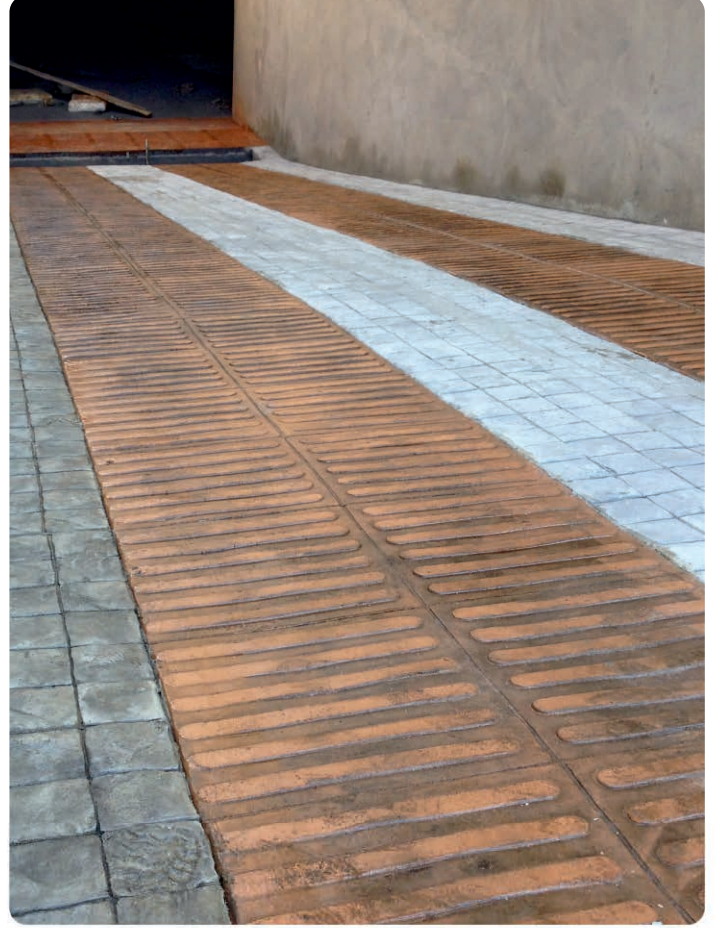


England Basket Wave



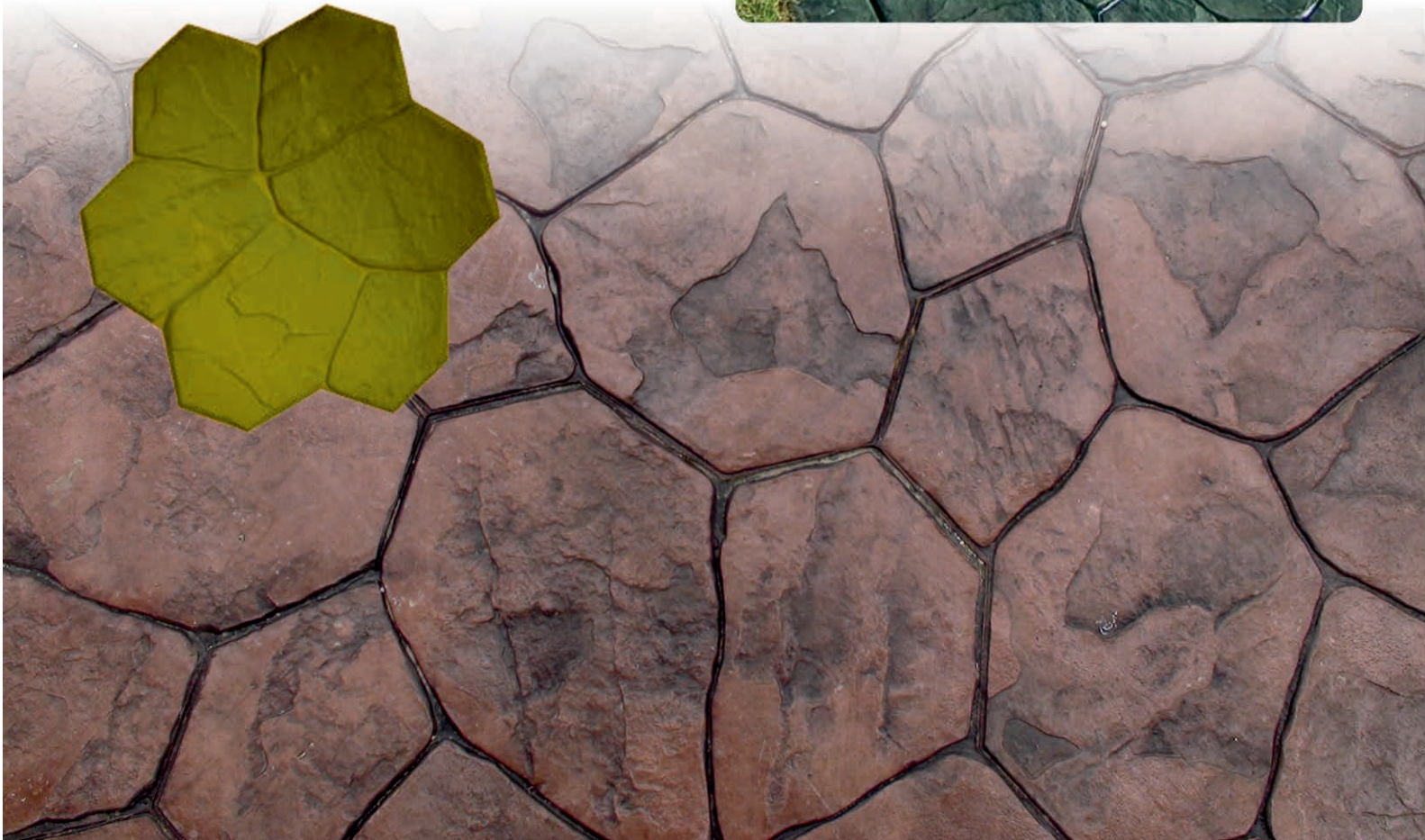
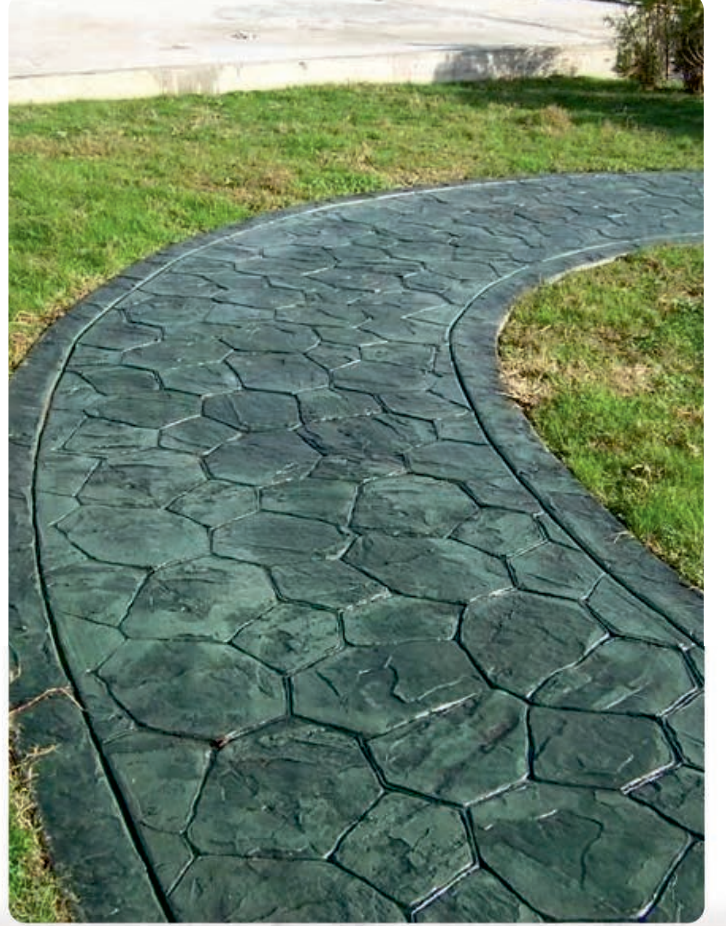


Grooved Mat



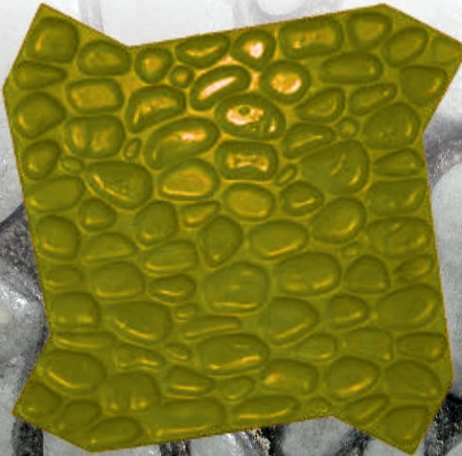


Random Blue Stone Stamp





River Stone Stamp





Compass Stamp

