

One element: Water.



50% steam acts on the surface

50% hot water acts in the ground-root area



Scalding of the stem

Destruction of the chlorophyll

Destruction of the rootlet



Number of applications

ADVANTAGES OF THE KECKEX METHOD

No danger of fire hazard

Suitable on all surfaces

Only hot water and steam, no added chemicals

High square meter performance, can also be used in areas that are hard to reach

Versatile accessories (cleaning, chewing gum removal, plant watering, weed removal, disinfection, control of invasive plants, high-pressure washing)

Targeted treatments without damaging enclosed plants or areas

Our method and accessories are developed in such a way that we do not need to add expensive additives (e.g. foam)

Best root effect due to the specially designed accessories that reduce temperature loss during application

Very low noise due to our self-sufficient battery solution when operating the machine

No running vehicle is needed, up to 8h self-sufficient working with the battery is possible. The battery can be recharged while the vehicle is running

Applicable in water and nature reserves as well as in public areas

Rain- or surface water can be used

Operation with paraffinic fuels possible

Low service and maintenance costs thanks to the electric drive

Can be used in all weather conditions

In-house production and planning of customized machines

Modular design – compatible and expandable at any time

KECKEX GMBH

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METHOD COMPARISON

The advantages of our environmentally friendly weed removal.

THE KECKEX METHOD IS THE MOST EFFICIENT METHOD TO REMOVE WEED IN A NATURAL WAY.



Natural.
Effective.
Modular.

www.keckex.com

Our devices are solely working with a combination of hot water and steam.

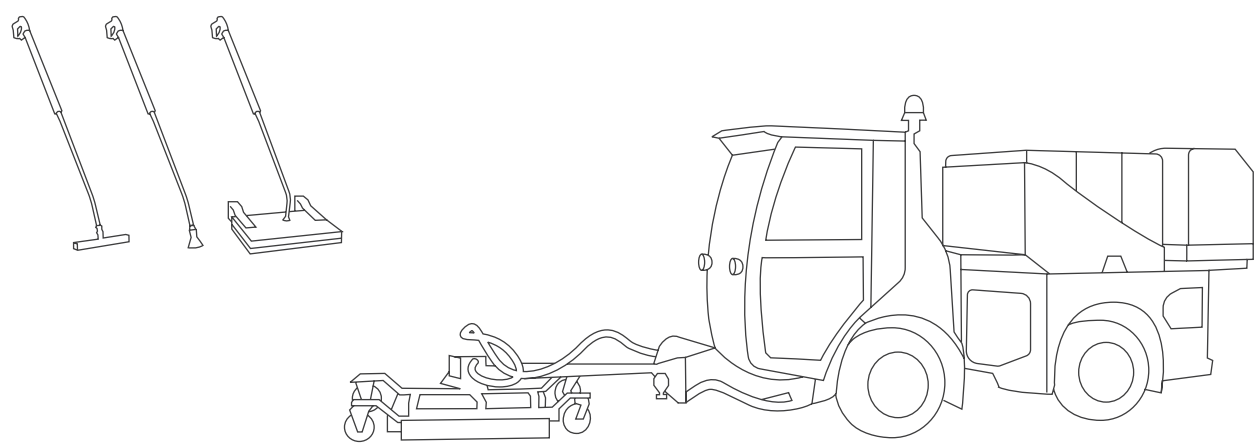
THE KECKEX METHOD

The system of the Keckex products is built solely on the characteristics of heated water. This makes our method the most natural technique in the field of weed control: A mixture of hot water and steam, up to 130°C, ensures that the weed is tackled on the treated surface, just like its root system. Because our accessories are completely sealed, the steam is locked in. In this way, an atmosphere of over 100°C is created which prevents the water from cooling down between leaving the nozzle and reaching the ground. The heat triggers a protein shock in the plant that destroys the cell wall. As a result, the plant can no longer absorb water which causes it to dry out. Depending on the vegetation, repeated application may be necessary for the weed to wither definitively.

APPLICATION

Our modules are mainly used in municipal and agricultural establishments. They can be applied in all weather conditions and are effective on all types of ground surface. Our equipment operates on 12 Volts. This results in working with low noise emission, without the need of a running vehicle engine. Keckex is also the only system on the market that enables weed removal, plant watering and high-pressure cleaning all in just one system.

METHOD COMPARISON



	KECKEX METHOD HOT WATER AND STEAM	CHEMICAL SPRAY PROCESSES GLYPHOSATE, ETC.	WEED BRUSH
Application Area	No restrictions	Prohibitions in many countries and special areas (public places, water- and nature reserves)	Only paved sidewalks and streets
Surfaces	No Restrictions	No Restrictions	Only paved surfaces
Weather	All weather conditions	Only dry weather	All weather conditions
Noise Emission	Low	Very low	Medium
Risk	No Risk	Personal liability for misuse and use in prohibited zones and countries	Personal liability for damage of surfaces or damages caused by stonefall
Public Perception	Very positive	Very negative	Neutral
Costs	Medium	Very Low	Medium
Treated Area	Surface and roots	Surface and roots	Surface
Environmental Impact	Very low	Very high	Low
Capacity m²	> 1.000 m²/h	> 1.000 m²/h	> 1.000 m²/h
Treatments / Year	2 – 5 x	1 – 3 x	8 – 10 x
Cost Efficiency	High	Very high	Medium
CONCLUSION	RECOMMENDED	NOT RECOMMENDED	RECOMMENDED



First treatment



10 days after the first treatment



After the second treatment

HOT WATER AND FOAM

No restrictions

Only on horizontal surfaces as foam flows away

Only in dry weather

Low

Risk of slipping due to the combination of foam and dirt

Mostly negative due to the frightening look of the foam

Very high

Surface and roots

Medium

< 1.000 m²/h

2 – 5 x

Low

LESS RECOMMENDED

HOT AIR / FLAMING

Partly forbidden

Only fireproof surfaces

In dry conditions fire hazard; not usable in rain

Medium

Fire hazard

Negative

Medium

Surface

Low

< 1.000 m²/h

8 – 10 x

Low

NOT RECOMMENDED

STEAM

No restrictions

No restrictions

All weather conditions

Medium

No risk

Positive

Medium

Surface

Very low

< 1.000 m²/h

8 – 10 x

Low

NOT RECOMMENDED