GermiPad.

Where seeds become seedlings.

Seed Starter (Pty) Ltd.
Designed in South Africa
www.seedstarter.co.za

EU Silicone | Heat Pack Req.

The GermiPad creates a warm, humid environment that supports healthy root development during the earliest stages of plant growth. Perfect for newly germinated seedlings, fresh cuttings and young plants.

HOW TO USE

1 Assemble

Insert your Seed Starter Heat Pack into the GermiPad, aligning the USB-C ports.

Place the aluminium heat diffuser plate into position with the printed side facing towards you

Important: Ensure the silicone skin is clean and completely dry before installing the Heat Pack

2 Set Your Temperature

Connect the Heat Pack to power and select your desired temperature. Follow the Heat Pack Instructions for temperature selection and operating instructions.

The aluminium heat diffuser plate provides easy access to the Heat Pack controls, allowing adjustments without disassembly.

3 Prepare Your Growing Medium

Hydrate your propagation plugs or prepare your preferred growing medium according to the manufacturer's instructions.

Place the prepared growing medium into the GermiPad propagation chamber.

4 Plant

Transfer newly germinated seedlings or insert fresh cuttings into the prepared propagation chambers. Water as required.

5 Attach the Humidity Dome

Position the humidity dome over the GermiPad. Press firmly on the corners until the dome locks securely into the silicone tray.

Adjust the humidity vent to control airflow and humidity throughout propagation.

6 Grow

Provide adequate growing light and keep the growing medium evenly moist.

As your plants establish, gradually increase ventilation to help them acclimatise to normal growing conditions.

DESIGNED FOR

- Newly germinated seedlings
- Fresh cuttings
- Young plants requiring root-zone warmth and humidity control

FEATURES

- Adjustable Root-Zone Heating
- Adjustable Humidity Control
- Premium European Food-Grade Silicone
- Durable Aluminium Heat Diffuser
- Washable & Reusable
- Designed for Seedlings & Cuttings

BOX CONTENTS

- GermiPad Silicone Tray
- Humidity Dome with adjustable vent
- Aluminium Heat Diffuser Plate

Heat Pack sold separately.

CARE & CLEANING

- Remove the Heat Pack and aluminium diffuser plate before cleaning.
- The silicone GermiPad Skin is **dishwasher safe** (top rack) or may be washed with warm water and mild detergent.
- Allow all components to dry completely before reassembly.
- Wipe the Heat Pack and diffuser plate with a soft, slightly damp cloth only.

GROWING TIP

Growing lights and warm environments can increase temperatures inside the humidity dome. Adjust the Heat Pack temperature to maintain ideal root-zone conditions for your plants.

PREMIUM MATERIALS

Manufactured from premium European food-grade silicone — flexible, durable, and designed for years of reuse.

Wash. Grow. Repeat.

SAFETY

- Read and follow the Heat Pack instructions before use.
- Always unplug the Heat Pack before assembly, disassembly or cleaning.
- Ensure the silicone tray is completely dry before reinstalling the Heat Pack.
- Keep the USB-C port and electrical contacts clean and dry at all times.
- Indoor use only.
- Never immerse the Heat Pack in water or any other liquid.
- Do not place the Heat Pack in a dishwasher.
- Do not operate the Heat Pack if damaged or if moisture has entered the housing.
- Do not allow water to pool around the USB-C port or Heat Pack during use.

GermiPad__Quick Temperature Guide

DEFAULT MODE

27°C / 81°F

Factory default. Suitable for most seeds under normal indoor conditions.

Use when:

- Room is comfortable (18–25°C) (64–77°F)
- Using standard LED grow lights
- Germination has started
- Unsure which setting to use

RAPID SET MODE

35°C / 95°F

Use only when extra warmth is needed. Return to default once germination begins.

Use when:

- Cold winter rooms
- Unheated growing areas
- Night temps below 15°C / **59°F**
- Heat-loving or tropical varieties

ALSO AFFECTS TEMP

- Room temp
- Direct sunlight
- Soil moisture
- Grow lights
- Humidity dome
- Air movement

Grow lights & sunlight

Both add heat inside the dome. Reduce the Heat Pack temperature accordingly. Never leave the GermiPad in prolonged direct sunlight.

If your room feels…

Cold	Rapid Set Mode 35°C / 95°F
Comfortable	Default Mode 27°C / 81°F
Warm	Reduce below 27°C / 81°F if needed
Hot / very warm	Lowest setting or switch off if no extra heat needed

Best Practice

Aim for **warm roots, not hot roots.** A stable temperature produces stronger, healthier germination than frequent heating and cooling cycles.

The Heat Pack temperature is only one part of the system. The goal is a stable root-zone temperature.

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Understanding Your Growing Environment

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The GermiPad Heat Pack is designed to work with your growing environment, not against it.

Final germination temperatures are influenced by room temperature, lighting, ventilation, sunlight and enclosure conditions. Our testing provides a baseline reference to help you get started. Every growing environment is different, so use these guidelines as a starting point and make small adjustments where required.

BASELINE TEST CONDITIONS

Our baseline testing was performed under the following controlled reference conditions:

Ambient Room Temp	17–19°C (63–66°F)
Heat Pack Setting	35°C
Grow Lights	None
Direct Sunlight	None
Ventilation	Normal indoor airflow

BASELINE TEST RESULT

Under the above conditions, the GermiPad maintained an average usable silicone surface temperature of approximately 24.5°C.

Heat Pack Setting	35°C
Silicone Surface	≈24.5°C
Ambient Room	≈18°C

REMEMBER

The warmer your environment, the less work your Heat Pack needs to do.

The Heat Pack features an adjustable temperature range of 20°C–42°C, allowing you to fine-tune your GermiPad for almost any growing environment.

As every home, grow room and grow tent is different, small adjustments are a normal part of achieving optimal germination temperatures.

Make small adjustments and allow time to observe results before changing settings again.

ENVIRONMENTAL TEMPERATURE GUIDE

The examples below are intended as practical guidance only. Actual temperature changes will vary depending on your specific growing environment.

Warmer Room Temperature — +1°C / +1°F

Approximately +1°C on the GermiPad for every +1°C increase in ambient room temperature.

24W T5 LED Grow Light — +0.5–6°C

May contribute approximately +0.5°C to +6°C depending on mounting height, reflector design and airflow.

200–300W LED Grow Light — +2–8°C

May contribute approximately +2°C to +8°C depending on power, mounting height, beam angle and ventilation.

Enclosed Grow Tent — +1–5°C

May retain approximately +1°C to +5°C of additional warmth depending on ventilation and equipment operating inside the tent.

Direct Sunlight — +5°C+

Can rapidly increase temperatures by 5°C or more. Avoid prolonged direct sunlight and monitor carefully.

Fan or Strong Airflow — −0.5–3°C

May reduce temperatures by approximately 0.5°C–3°C by increasing heat loss from the dome.

Cool Night Temperatures — Variable

Lower ambient temperatures may require a higher Heat Pack setting as temperatures naturally fall overnight.

FOR BEST RESULTS

- Use a thermometer to monitor actual root-zone temperature.
- Aim for warm roots, not hot roots. A stable temperature produces stronger, healthier germination.

Reference Guide: The values shown in this guide are intended as practical reference points based on typical growing environments. Actual operating temperatures will naturally vary depending on room conditions, lighting, ventilation, humidity, enclosure design and seasonal changes. Factors such as mounting height, reflector design, humidity, airflow and enclosure size will all affect the final operating temperature. Use these guidelines as a starting point and make small adjustments to suit your own growing environment.