



Every colour and pattern of the stylish, durable, stain-resistant and easy-to-clean DuPont™ Corian® solid surface can now be outfitted to charge your smartphones and tablets wirelessly.

On the outside, stylish and seamless Corian® solid surface. Underneath, hidden from view, state-of-the-art wireless technology that powers up smartphones and tablets.

WHAT IS WIRELESS CHARGING?

Wireless power transfers energy from a transmitter beneath the charging spot(s), to a receiving device (or receiver attached to a device).

Magnetic induction safely and effectively transfers power from the charger to a smart device. The power transfer conveniently occurs without using conductors (i.e. “no wires”).

HERE'S HOW TO WIRELESSLY CHARGE SMART DEVICES:

- Corian® is available in many colours. Choose the colour that fits best in the interior design of your client.
- Choose where you want to place the wireless charger(s), taking into account easy access and visibility.
- Connect your client to a DuPont™ Corian® Industrial Partner or Home Design Partner, who will integrate the wireless charger along with the Corian® work surface installation, ready for use.
- To Power Up a smart device, your clients connect a receiver - a ring or a charging case - to their smartphone or tablet. They simply place the smart device on the charging spot and power up begins automatically. Charging stops when the battery is full.
- It's that simple!

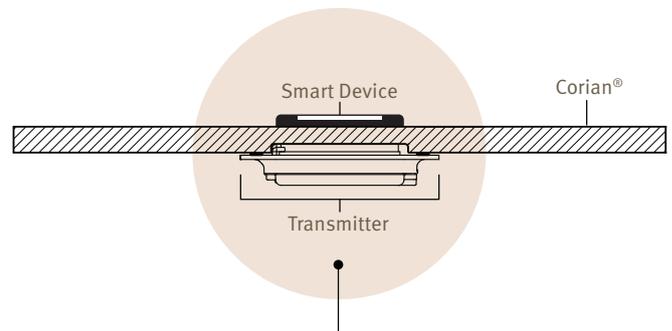
A DuPont™ Corian® Quality Network Industrial Partner has the needed expertise to install the Individual Wireless Charging unit underneath the surface. This requires the fabricator/installer to mill out an area on the underside of the surface to enable the induction process to occur.

**If a device is already Qi or PMA enabled, you will not require a wireless charging ring or charging case to power up.

Charging cases are available for smartphones only.

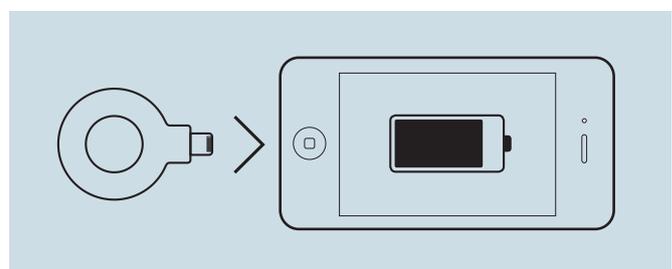
FOR HOMES

Corian® Charging Surface for homes allows for a seamless integration of wireless charging technology into customers' most important spaces. Homeowners can have the design flexibility, beauty and durability of the many colours of Corian® along with the cutting edge technology of wireless charging. The convenience of eliminating cords adds convenience and simplicity to a busy lifestyle.



Hidden from view is a transmitter that powers up smartphones and tablets wirelessly.

Energy is transferred safely from below the Corian® surface to a smart device – charging stops when your battery is full.



FOR ARCHITECTS & DESIGNERS

Corian® Charging Surface offers architects and designers a new way to solve design challenges and create unique environments. With integrated technology, forms remain seamless yet still offer the technological functionality needed in spaces such as hospitals, hotels, airports, and educational facilities.

FOR BUSINESSES

Enabling customers to charge devices in a place of business allows customers to stay longer, buy more, and experience a more enjoyable and comfortable environment. Plus, it means they will come back more often with this added convenience.

THE WIRELESS CHARGING UNIT

A single charging unit that, once installed, is a plug and play system that works instantly for those who are ready to power up. With the ability to install one or a series of units for multiple users, the wireless charging unit creates a seamless solution for many applications.

- Corian® product warranty applies as always.
- 2 year product warranty on wireless charger transmitter.
- Small size (Approx. 82mm x 92mm).
- DuPont™ Corian® Quality Network Industrial Partner uses precision tooling to prepare the back of the Corian® for mounting.
- Inductive charger.
- Unit has mid-power capability: Can charge handhelds and small tablets at low power today; in the future it can charge bigger devices when more advanced receivers are available.
- Dual mode – can charge both a Qi and PMA supported device or case.
- Has a micro USB port for future technology upgrades.

THE RINGS & ADAPTORS

DuPont offers Powermat® wireless charging rings which act as an adapter.

The Ring is plugged into the smart device's charging port and acts as a receiver of the magnetic energy created by the technology embedded in the DuPont™ Corian® solid surface.

Some smart devices are natively enabled with the technology, meaning they do not require an adaptor. Cases and other external adaptors which are Qi or PMA enabled are available at online retailers.

POWERMAT® RING 1.5

The Ring is offered as a family of light weight accessories that provides immediate access to Powermat® wireless

compatible charging devices. It is a simple PMA wireless power receiver that is external to the smart devices.

The Ring accessory is available in 3 connector types to support over 95% of smartphones and mobile devices without any cables or adaptor tips:

- Micro-USB
- Apple Lightning
- Apple 30-pins

KEY FEATURES

Ring Gen 1.5 external features are similar to those of Gen 1:

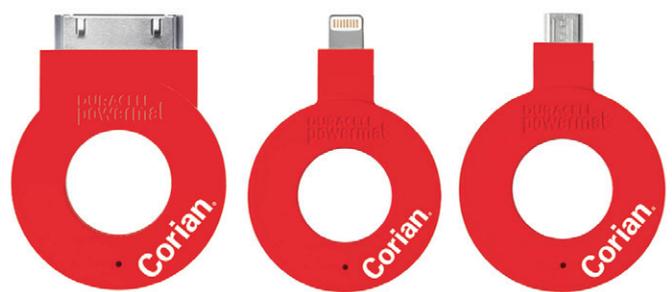
Dimensions:

- External: Ø35.6mm
- Internal: Ø17.4mm
- Thickness: 7.2mm

Electrical Parameters:

- Output Voltage: 5V
- Output current: <=1A
- Efficiency on PMA-3:75%

Ring 1.5 New features	
Charge on new PMA Tx (transmitter) types	Support full range of PMA operational frequencies 100kHz-300kHz to ensure interoperability with both PMA-3 Tx and new Tx types of next PMA System Release 1E
Max output at any battery level	Improved current limit implementation to support higher loads than max output, which are applied by new smartphones with dead/low battery (e.g. Galaxy S5), such that 1A current is provided continuously.
Enhanced FOD on Gen3 Charging Spot	Enhanced Rx-to-Tx signaling to enable Gen3 charging spot foreign object detection (FOD) during power transfer in more test scenarios, as aligned with PMA next release.



FOR MORE INFORMATION

Contact your local DuPont representative to learn more about DuPont™ Corian® Charging Surface or visit www.corian.co.uk/PowerUp