

# TECHNICAL DATA SHEETS

Product code: PFOS Version (Date): V1(2021.01.01)



## TECHNICAL DATA SHEETS

TRADE NAME	CarbonQ Shield
PRODUCT TYPE	Paint protection film (PPF)
MANUFACTURER	CARBONQ CORPORATION Sp. z o.o. (Ltd.) <sup>1</sup>
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### GENERAL INFORMATION

CarbonQ Shield PPF is a basic protective film made of thermoplastic polyurethane. CarbonQ PPF protect automotive paint and other vulnerable surfaces from stone chips, scratches, bug damage, road sal, stains, automotive fluid stains and punishing outdoor weathering including ultraviolet (UV) radiation.

### SPECIFICATION

Total thickness (μm)	320 (±10)	TPU with adhesive (μm)	185 (±10)
Top coat (μm)	55	Adhesive coating (μm)	80

### PROPERTIES

Peel strength	(kgf/inch)	1,2 (±0,3)	CQ005
Elongation at break	(%)	115 (±10)	CQ007
Tensile strength	(kgf/inch)	2,5 (±0,3)	CQ009
Water slip angle	(degree)	115 (±3)	CQ016
Yellowing	(hr)	200	CQ019
Self-healing, 1kg	(sec)	80 (±5)	CQ009
Gloss, 60°	(NIC)	80%	CQ013

### ROLL'S SIZES

Dimensions	Surface
60" x 50' (1524mm x 15m)	250 sqf (22,86m <sup>2</sup> )

### STORAGE AND THE TERM OF VALIDITY

Storage conditions: +40°F to 100°F (+4°C to +22°C), out of sunlight, original container in clean and dry area. The shelf life is never more than 1 year from the date of shipment.

Bring the film to room temperature before use. Recommended installation environment temperature should be within 15.5°C to 32°C (60°F - 90°F).

### USES (APPLICATION)

The product is intended for application on hard surfaces, dedicated to vehicles.

<sup>1</sup> CARBONQ CORPORATION Spółka z ograniczoną odpowiedzialnością (Ltd.) with headquarters in Katowice, Poland, registered in National Court Register – District Court Katowice-Wschód in Katowice, VIII Commercial Department of the National Court Register, KRS no. 844422, TAX no. PL9542815571, REGON: 386259150. Share capital 5.000,00 PLN.



# TECHNICAL DATA SHEETS

Product code: PF0S Version (Date): V1(2021.01.01)

## CLEANING AND REMOVAL

The cleaner must be wet, non-abrasive, without solvents, and have a pH value between 6 and 8 (neither strongly acidic nor strongly alkaline). These films can be removed with the aid of heat only by a professional installer.

## WARRANTY INFORMATION

CarbonQ products are warranted to be free of defects in materials and manufacture at the time of shipment and to meet the specifications stated in its applicable Technical Data Sheet.

## LIMITATION OF LIABILITY

Warranty and liability relating to this product are governed by the terms and conditions of the sale, subject, where applicable, to the prevailing law (Polish law).

**Important:** CarbonQ products are not tested against automotive manufacturer specifications!

