

TC40

Physically activated granular active carbon of vegetable origin.



Active carbon is a carbonaceous skeleton with a vast and branched porous structure capable of trapping organic compound molecules. Its capability of attracting and trapping in its porous structure the organic compound molecules dispersed in a fluid (liquid or gaseous) with which the active carbon comes into contact is known as ADSORPTION and is regulated by well-determined physical laws.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

GRANULES diameter	4 mm
GRANULES length	5-12 mm
pH	8-10
SUPPLIED in bags	25 kg

IMPREGNATED ACTIVE CARBON FOR SPECIAL APPLICATIONS

This is an active carbon treated with chemical compounds that allow adsorption of pollutants otherwise not held back by standard active carbons.

APPLICATIONS

TC40 is a physically activated granular active carbon of vegetable origin. This product is suitable for use in the gaseous phase to purify the air coming from production departments and hence containing traces of volatile substances or products of decomposition or from chemical plants, refrigerator deposits of food products, to limit the emission into the atmosphere of solvents from painting plants, and to purify the conditioned air in offices, airports, motor vehicles and urban transport means. It can also be used for kitchen and laboratory extraction hood filters and deodorising filters for refrigerators, shoe cupboards and deep-fryers. This active carbon can thermally be reactivated once its adsorbent activity is exhausted.

PRODUCT DISPOSAL

Exhausted active carbons can be disposed of as special waste. THE CER CODE FOR HAZARDOUS WASTE IS 190110. Otherwise, they can be reactivated with a heat treatment by means of special structures: the most widely used and most efficient heat reactivation technology today is based on heat treatment of exhausted carbons in rotary ovens.

SPECIAL ACTIVE CARBONS

TC60 Carbon suitable for adsorption of acid vapours and gaseous substances.

TC80 Carbon suitable for adsorption of toxic and radioisotopic gases. The filter containment structure must be in stainless steel.

TC ALU Impregnated alumina, specifically formulated for removal of gaseous currents of H₂O, SO₂, NO_x, formaldehyde, ethylene, acid gases, light hydrocarbons. A stainless steel filter structure is advisable.

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:



LEED

Contributes to credits:
IP, MR



WELL

Contributes to credits:
MATERIALS, COMMUNITY

BREEAM[®]

BREEAM

Contributes to credits:
MAN

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request