



Regenocell S with Urethane film

Applications

Industry

Factory machinery, fans, mills, printing and metal handling machinery, dust separators, timber handling equipment, electric generating sets, generators, engines, compressors

Transport and contracting

Engine rooms in boats and vehicles, scooters, contractor's and gardening machinery.

Health care and large-scale kitchens

Sink units, dishwashing machines, roller tables, air filters.

Buildings

Lifts, motor rooms, ventilation systems.

Method of use

The parts are cut or stamped to the required shape and carefully pressed on to a surface that must be free from oil, dirt, and dust.

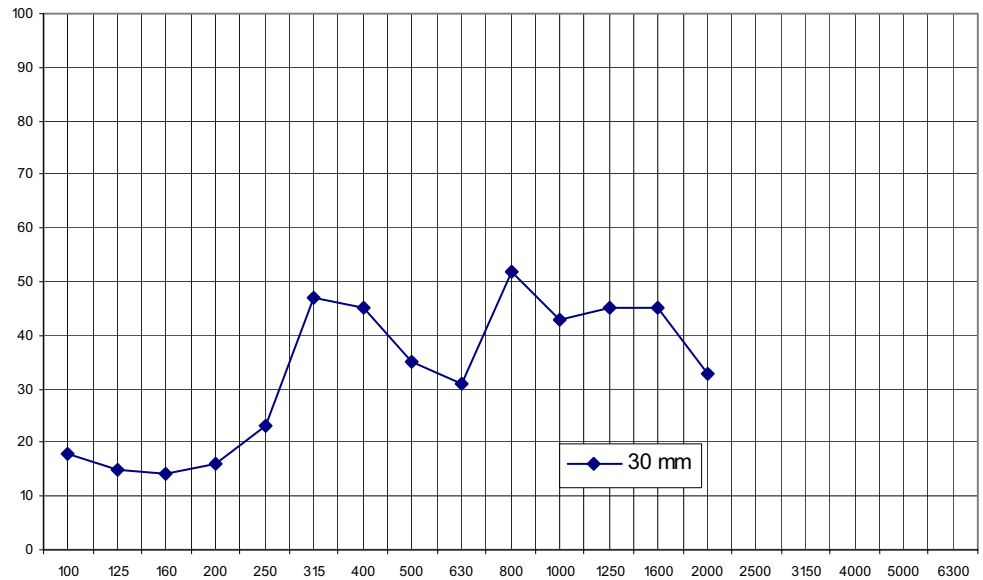
Product characteristics

Regenocell S with urethane film is a sound absorbing material of regenerated foamed polyurethane. The product is based on Regenocell S but its surface is covered with an elastic film of urethane. The material can be bent and is self-adhesive. Can be combined with a mat for structure-borne sound damping and airborne sound insulation.

Advantages

- Good sound absorption
- High density
- Aesthetically attractive surface
- Resistant to mechanical wear
- Film is resistant to petrol and most chemicals
- Repels liquids and moisture
- Easy to wash
- Difficult to ignite

Absorption Coefficient, % (ISO 10534)



Frequency, Hz, Third Octave Bands

Technical data

Sound absorption	See diagram
Resistance to temperature	-40°C to + 120°C
Fire Class	FMVSS302
Coefficient of thermal conductivity	$\lambda = 0,036 \text{ W/m}^\circ\text{C}$
Adhesive's tear strength	Approx 15 N/cm test width
Colour	Surface film: Black Foam: Varying
Thickness foam	10, 20 or 30 mm (other colours can be supplied on request)
Density	Approx 100 kg/m ³
Thickness Surface film	25 μm
Delivery format	1000x1500 mm (other sizes and shapes can be supplied on request)

Experiences

The shaping and positioning of the material is of major importance to achieve an optimal sound-dampening effect.

SONTECH has long experience of practical noise control projects in a wide range of industrial fields. These experiences can be a valuable addition to the laboratory data given in the datasheet.

SONTECH can also assist with advice and sound measurements for noise control and in the manufacture of customised material sets.

Designation system

Regenocell	RC
Thickness in mm	10, 20 or 30
Fire Class	S
FMVSS302	
Urethane film	UF
Example of order code	RC10S UF

