

PROTAC®

INTEGRATING SENSES

- CONCENTRATION
- RELAXATION
- WELL BEING
- PEACE OF MIND
- SLEEP

Sensory integration through soothing movement.

The design of Protac products comes from several theories relating to sensory integration. These are based on what is known about the interaction between bodily sensations and how these sensations affect daily behavior and life.

We use our 5 senses; we see, hear, touch, smell and taste.

According to sensory integration theory we actually have 7 senses.

We also use the proprioceptive sense (the sense of the position and limits of our body, what is me and what is not me) and vestibular (balance).

Intuitively, we use movement to bring us back to calm: If we feel tense, we choose to go for a walk to calm down. If we are stressed, we will fidget in our chair or tap the floor with one of our feet.

These two everyday examples demonstrate that we use movement to calm ourselves. Which we will summarize as soothing movement.

In the PROTAC range, the weight and distribution of the balls provide permanent and “moving” resistance to the joints and muscles. Our tactile sense then sends a message to the nervous system, which the brain records as movement.

This is soothing movement.



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How the products work

The Protac sensory-stimulating products are filled with plastic balls – the movement and deep touch pressure from the balls stimulate the sense of touch and the sense of movement.

The stimulation of these senses enhances the awareness of the body and provides a sense of being secure, calm, and peaceful for the body and mind.

The sense of touch

Our most important sense is the sense of touch which registers contact. In therapeutic terms, the sense of touch is referred to as the tactile sense. Touching the skin sends stimuli to the brain and gives us a sense of the body's boundaries. The skin thus serves as a boundary, helping us to distinguish between what is 'me' and what is outside 'me'. The sense of touch helps us to establish a sense of our own body and helps the brain to keep us up to date with our body and body movement.

Changing pressure enhances body awareness

Although the sense of touch keeps us updated on our body, it only happens if the input varies over time. If the input is uniform and lasting, the brain 'fades-out', and the input ceases to be registered – the sensory impression simply fades. To maintain a sense of your body, the pressure has to vary. The plastic balls in Protac products give deep and dynamic pressures distributed across numerous points, helping the brain to register the body to a far greater extent than through uniform pressure. The balls will move through slight changes in position and the skin is continuously stimulated in new ways and updates the brain about the body and the surrounding environment.

The sense of movement

Another important sense is the sense of body position and movement, also known as the proprioceptive sense or the muscle-joint sense. This sense has receptor organs in the joints and muscles. The muscle-joint sense calms the nervous system and we often use our sense of movement to create calm. If we feel restless, we may fidget on the chair or tap our feet – intuitively we use our sense of movement to relieve our restlessness and to calm ourselves down.

When the weight of the balls in Protac's products offers resistance to the body's joints and muscles, a message is sent to the nervous system, which the brain registers as movement. This is why the weighted balls have a calming effect. Sensory stimulation helps relieve restlessness in the body and head. By using our products you stimulate both the sense of touch and the sense of movement. If during the night you move under the blanket, the weighted plastic balls will move too and a new sense of pressure and touch will be transmitted to the brain. The enhanced awareness of the body and its physical delimitation provide a sense of security and calm in the head and body.

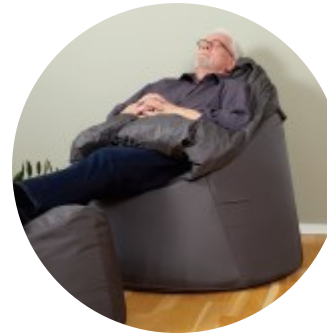
This is why many people experience that the products relieve stress and anxiety while promoting concentration, focus, and learning.

• **Protac SenSit®** is a sensory stimulation system that provides a pleasant sensation of enveloping the whole body. The balls filling the SenSit and its four wings stimulate the sense of touch and the proprioceptive sense through deep and dynamic pressures, thus promoting better body awareness.

- The cervical pillow is made of granules for optimal neck support.
- The chair can be used in institutions, classrooms, sensory rooms, care centers, psychiatric hospitals, and in the home.
- It relieves mental and physical disorders and sharpens concentration.
- It is suitable for children and adults and benefits people with ADHD, autism, psychiatric disorders, dementia, brain injuries, spasticity, and developmental disorders.



Protac SenSit® Standard
- For users under 1m 80 (5'8").



Protac SenSit® Straight
- Ensures a comfortable sitting posture. Facilitates the sit-to-stand transition.
- Allows for the seat cushion to be flipped to a foam core for increased seating stability.



Protac SenSit® Tall
- For users over 1m 80 (5'8").



Protac SenSit® Puff
ideal as a footrest, it allows you to duplicate the effect of stimulation and relaxation from head to toe.



Protac SenSit® Nature
- Usable outdoors.
- Waterproof.
- Integrated protective cover.



Protac SenSit® Frame
- Allows you to get up more easily.
- Allows you to move into the SenSit ® more easily.



Protac Ball Blanket®

WHY A BALL BLANKET?

Protac Ball Blanket® is the original sensory stimulation blanket with large plastic balls, which provides a pleasant feeling of envelopment for the whole body. The blanket's balls stimulate the sense of touch and joints with deep, dynamic pressure, promoting better body awareness. This helps the user fall asleep, and stay asleep.



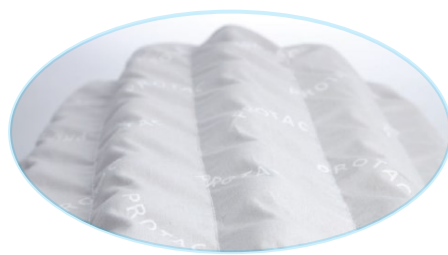
Protac Ball Blanket® FLEXIBLE

Sensory stimulation blanket with zipper and removable bags.

50mm balls (adults) or 38mm (junior).

The balls are divided into compartments so they can move and provide dynamic sensory stimulation.

The flexible blanket is particularly suitable for people who have difficulty becoming aware of their body and keeping their body at rest.



Protac Ball Blanket® CALM

Sensory stimulation blanket with balls organized in columns.

38mm balls. Adult sizes can be separated into 3 parts and junior sizes into 2 parts.

The balls are sewn into lines, so they fit closer to the body and provide more soothing and even sensory stimulation.

The Calm blanket is particularly suitable for people with tactile hypersensitivity, extreme sound sensitivity or people who are too easily overstimulated.



Protac Ball Blanket® CLASSIC

The classic blanket is the original Protac ball blanket. The balls are divided into pockets. This ensures that the movement of the balls provides variation in sensory stimuli.

The Classic is ideal for people who need a variation in sensory input to experience body awareness and a sense of calm. The balls cannot be removed from the classic cover.

An industrial washing machine is necessary.

Benefits:

- ◆ Stimulates proprioception
- ◆ Relax, soothe
- ◆ Improves sleep
- ◆ Gives energy during the day



Protac MyFit® is an anti-stress vest for children, adults, and the elderly who suffer from motor or mental agitation. It is used for daily activities during stressful situations, hyperactivity and anxiety. The weight and pressure of the vest on the body reinforce body perception.



- ◆ The calming effect, combats stress, hyperactivity, and anxiety
- ◆ Promotes learning and concentration
- ◆ A simple lacing system ensures the best sensory stimulation
- ◆ Opening system with Velcro on the shoulder, specially designed for people who are physically weak or limited in their movements



Protac MyFit® Easy with its openings on the shoulders is a vest designed especially for the elderly or those with physical limitations.. This vest is easy to put on whether standing or sitting.

Available in 9 sizes - Junior to 6XL



Protac SensOn® is a neck soother that helps you relax. It adapts naturally to your neck, shoulders, and chest.

The weight and sensory stimulation provided by the small beads lower the shoulders and relax the neck. The effect can be compared to a pair of firm, calming hands placed on your shoulders.

Benefits:

- ◆ Strengthens body awareness
- ◆ Calming effect, combats stress, hyperactivity and anxiety
- ◆ Promotes well-being and peace of mind
- ◆ Promotes learning and concentration
- ◆ Easy to use
- ◆ Discreet to use, adopt it in your daily life!



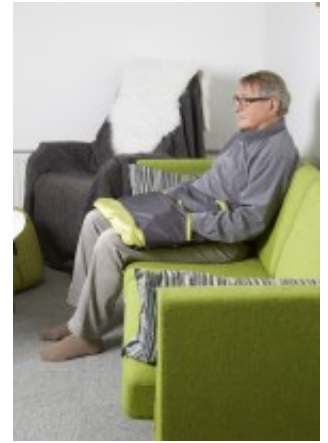
Protac KneedMe® is a blanket to place on the knees, thighs, and stomach to combat motor or mental agitation.

The weight and pressure of the knee blanket create awareness of the body's limits and promote a feeling of calm and security. To calm the restless legs and feet that often suffer from hyperactive people or people with restless legs syndrome.



Benefits:

- ◆ Improves proprioception
- ◆ Promotes calm and a feeling of security
- ◆ Increases attention and concentration
- ◆ Promotes cooperation



Protac GroundMe®

is a dynamic floor cushion for resting your feet or sitting on. It is intended for children, adults, and the elderly who, due to motor or mental agitation or pain, have difficulty sitting calmly and concentrating for a long period of time.



Protac Ball Cushion® is a sensory stimulating seat cushion for people who have difficulty sitting and concentrating.

The Protac Ball Cushion® is a seat cushion filled with plastic balls and is used for children and adults who feel restless. It helps improve body awareness, relieves discomfort and hyperactivity, and promotes concentration and learning.

There are 2 models: with 38 mm balls which offer more movement and stimulation or with 25 mm balls for those who would like more general, less intense stimulation to the sensory system.



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Protac® BallBase – a sensory stimulating mattress pad

The Protac® BallBase is a sensory-stimulating mattress pad with integrated balls giving the user calming sensory-stimulation from the mattress pad during rest and sleep. The Protac® BallBase is discrete to use in ordinary beds and in hospital beds and can be used by both children, teenagers, adults and elderly people.

Users with a strong need for sensory-stimulation can have a good effect of combining Protac® BallBase with the Protac Ball Blanket®.



**Better sleep
better well-being**



Benefits:

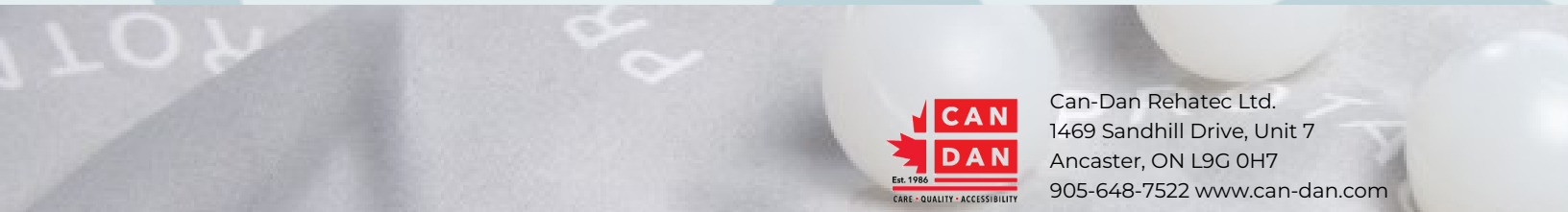
- ◆ Improves proprioception
- ◆ Promotes calm and a feeling of security
- ◆ Increases attention and concentration



A good night's sleep is crucial for all human beings – for our daily well-being, health, and ability to cope with everyday tasks.

The moving balls in the Protac® BallBase stimulate the muscle and-joint-sense and the tactile sense through dynamic and deep point pressure. That has a calming effect on the sensory system and promotes a deep sleep, that gives the user the best possibility for a healthy and active lifestyle.

Protac® BallBase has both a soft and an extra soft side to accommodate two different needs and preferences. On the soft side, the balls are clearly felt and is targeted users with an intense need for sensory stimulation. The extra soft side has a warm layer between the balls and the linen and therefore gives a mild sensory stimulation and is recommended for users with a low BMI. Size 90x200cm.



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