

# Our solutions for Wearable Devices

We develop, design and create  
the best solution for you.



# Why Stokvis?

Stokvis Tapes will help you improve your production process, reduce costs, help you develop new products and sell more.

How we do this?

- Knowledgeable and experienced material and converting specialists within the healthcare market.
- Global reach – local support.
- Quality: ISO 13485 certified production facilities.
- ISO 7 & ISO 8 cleanroom production facilities with bioburden controls.
- Stokvis Tapes is the world's largest independent converter of self-adhesive components.
- Innovative, cost-effective solutions for simple to complex needs.
- Full spectrum of rotary, flatbed and laser die cutting to match your needs.
- Technical support & lab testing.

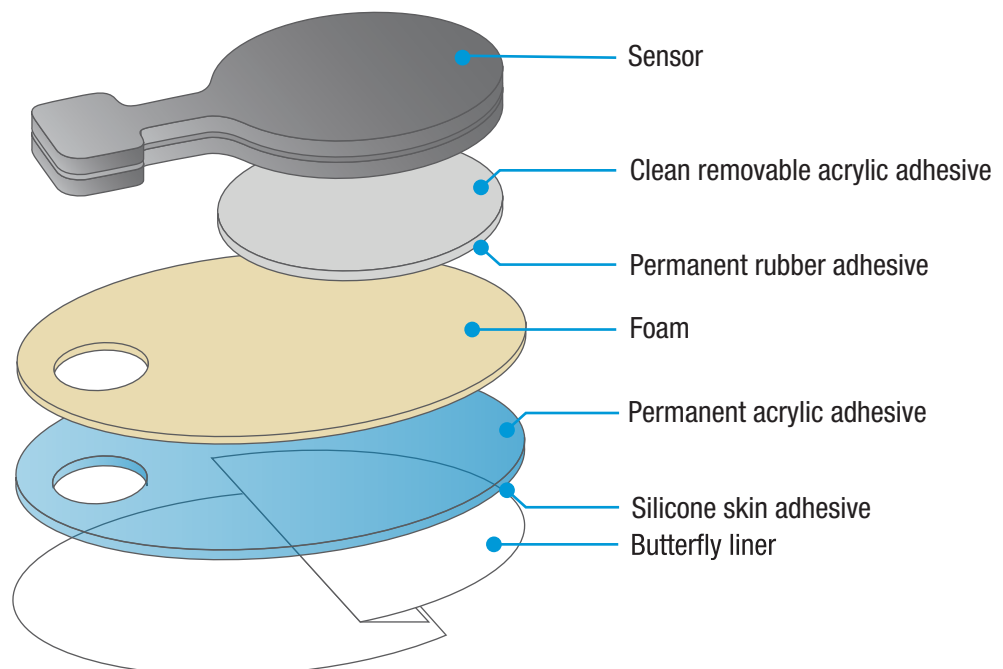
## Benefits of adhesives for Wearable Devices

- Comfort and conformity to the body.
- Cost effective versus molded housing and belt solutions.
- Closeness and stability of the device to the body, especially with sensing devices.
- Hygienic.

## Design & Develop

From the concept phase through to material selection, design, production, packaging and delivery: With our process development expertise, we support our customers in developing innovative and unique products.

### Multi layer die cutting



# Medical Adhesives

Stokvis Tapes is dedicated to supply only high quality products that match our customers specifications and tolerances with a level of service that meets their most demanding requirements.

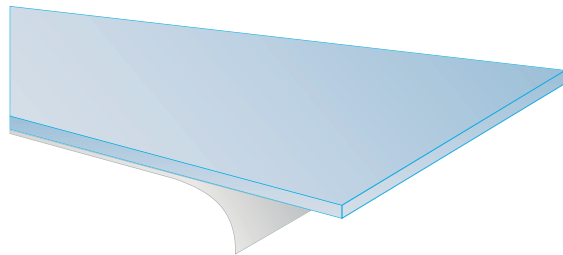
Skin is a difficult surface to adhere to. It is an elastic, rough surface that is not flat. Contaminants like oils, moisture, hair follicles and dirt can be present. To meet these challenges we offer stick to skin adhesive solutions like silicone, acrylic, rubber and hydrocolloid tested to ISO:10993 standards

## HYDROCOLLOID



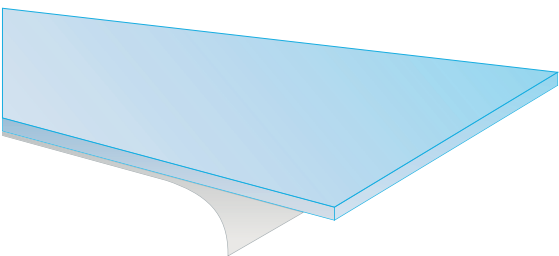
- Low skin trauma upon removal
- High MVTR (moisture vapor transmission rate)
- Absorbent, conformable and cushioning.
- Recommended for medium to long wear times (days up to a week)

## SILICONE



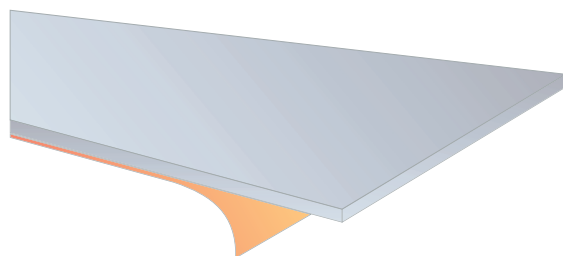
- Low level of initial tack
- Low skin trauma upon removal
- Low to medium MVTR
- Recommended for short term wear (days)
- Repositionable

## ACRYLIC



- Medium level of initial tack
- Medium to high MVTR
- Full spectrum of short, medium and long wear times (days to week(s))

## SYNTHETIC BASED RUBBER



- High initial tack
- Low MVTR
- Recommended for very short time wear (hours)

Also available are products with perforated or differential adhesives, for example a double sided product with a silicone adhesive on one side and acrylic adhesive on the other. We are able to tailor a product, using all different kinds of products like foams, nonwovens, PU films etc.

Considerations for choosing the right features for your design are:

Age of wearer:



Body Area:



Wear time:



Mobility:

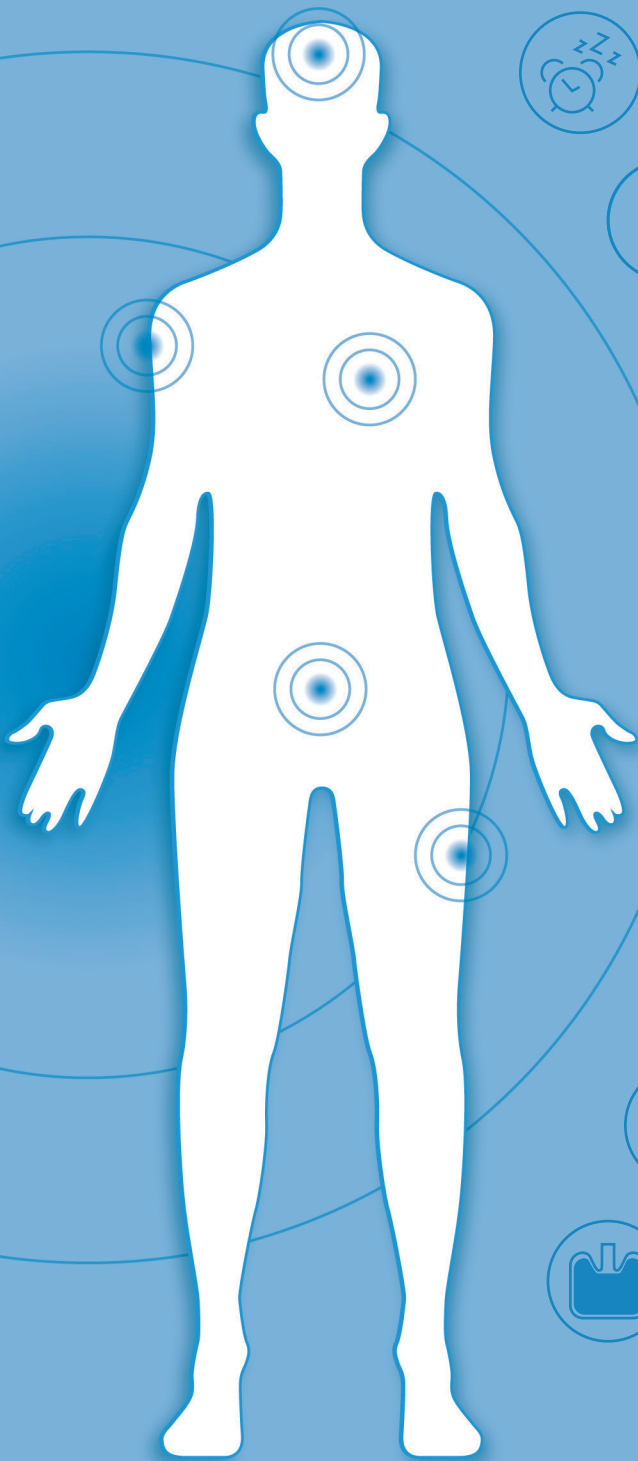


Conditions:



Certain additives like moisturizers, antimicrobials or odour absorbers can be added to the adhesive. Cyclodextrins (odour absorption), glycerine (moisturizers), antimicrobial, hypoallergenic.

# Applications



Sleep Pattern / Apnea



Diabetes Management



ECG Monitoring



Lead Monitoring



Medical Vital Signs Monitoring



Oxygen Sensing



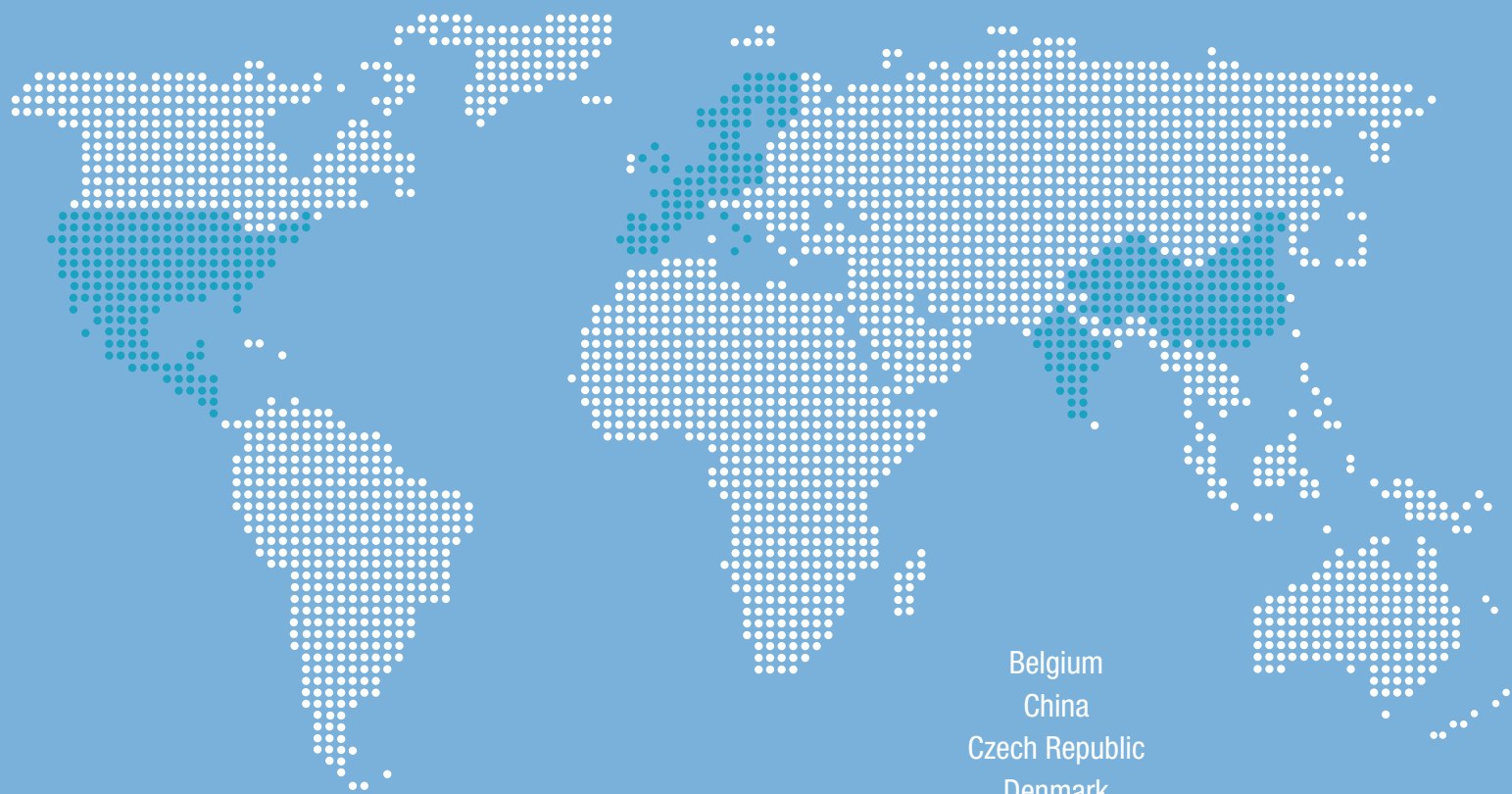
Bladder Sensor



Drug Delivery Device



Surgical Grounding



Belgium  
China  
Czech Republic  
Denmark  
Finland  
France  
Germany  
India  
Italy  
Mexico  
Netherlands  
Norway  
Poland  
Portugal  
Russia  
Spain  
Sweden  
UK  
USA

## STOKVIS TAPES GROUP

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