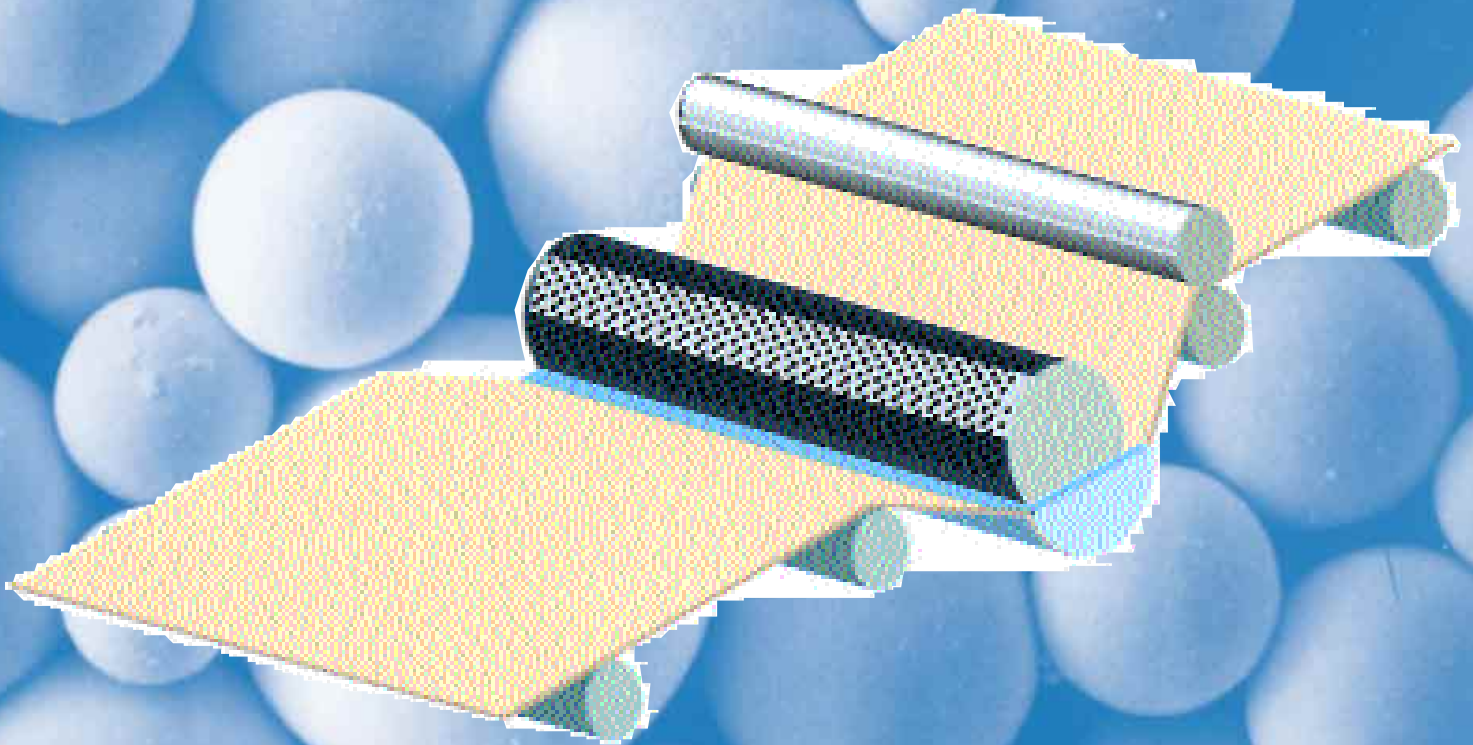
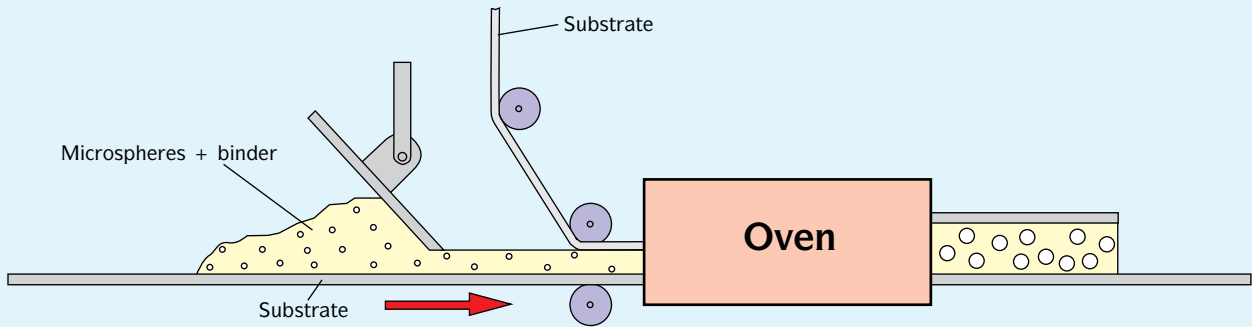


EXPANCEL[®]

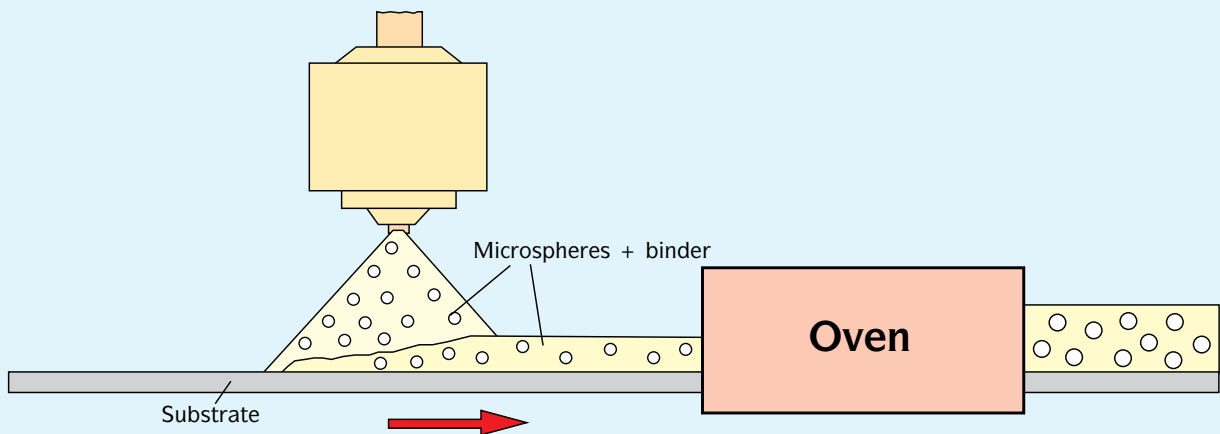
IN NONWOVENS



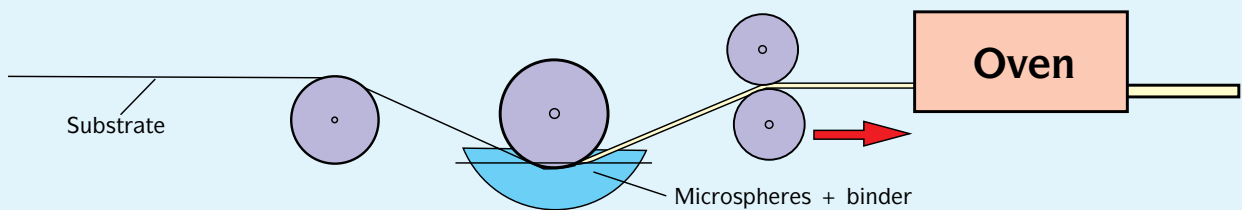
EXPANCEL in a core material will create a lightweight material with resilient properties.



It is possible to use EXPANCEL in spraying applications thanks to the resilient properties of the microspheres.

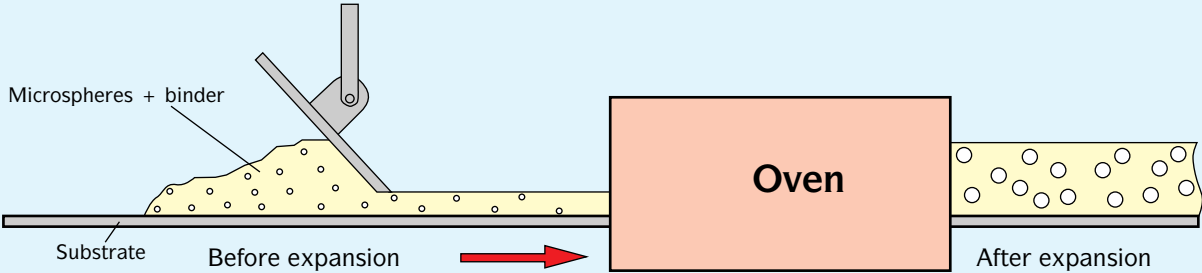


A traditional way of using EXPANCEL in Non-woven applications is by impregnating the substrate with a mixture of microspheres and a binder.

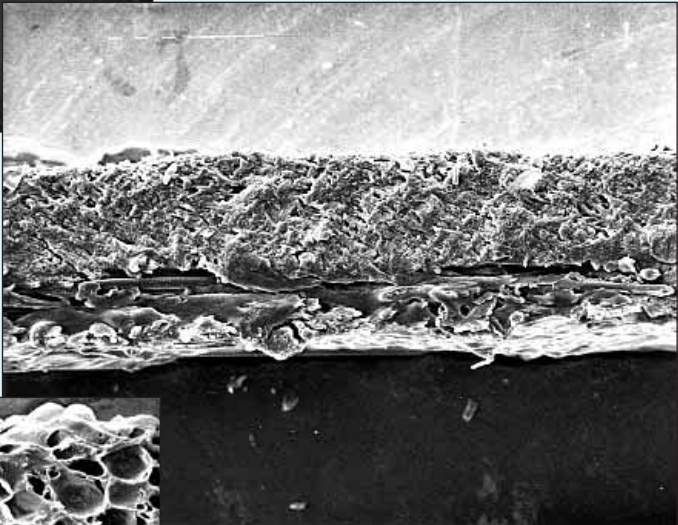


**What will be the next application?
EXPANCEL might add that little extra
to your product.**

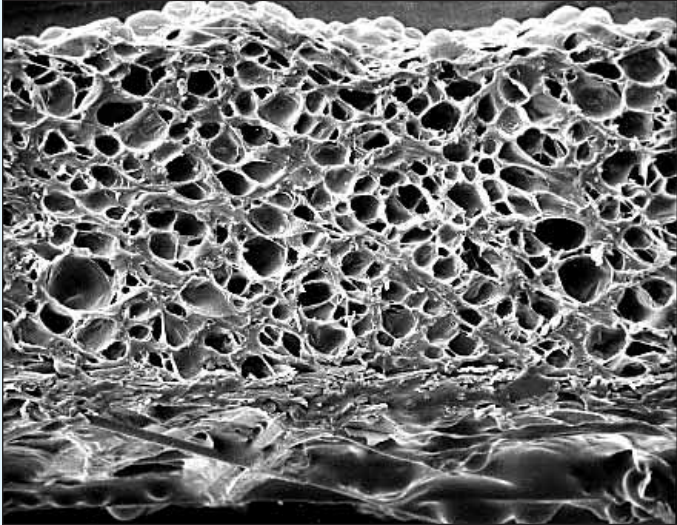
EXPANCEL in a coating layer will add thickness and improve surface characteristics.



Substrate

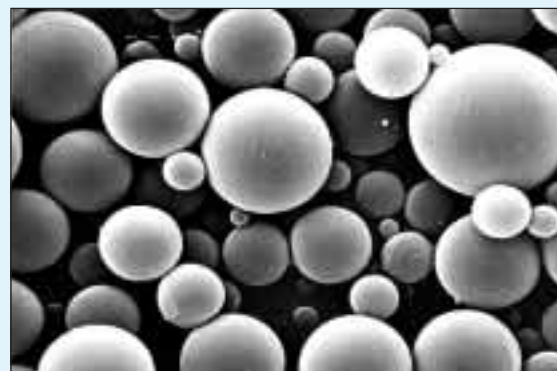
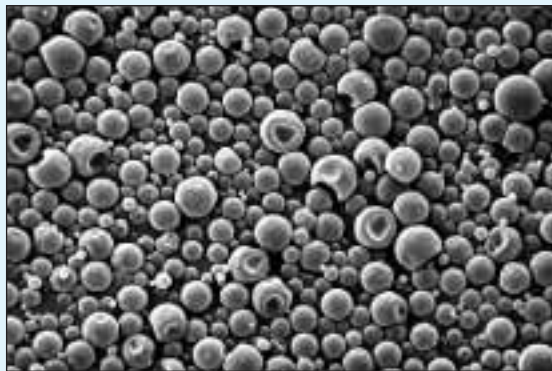
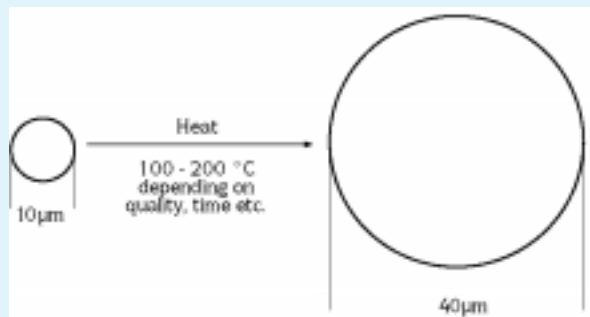


Substrate with coating



Substrate with expanded coating

EXPANCEL, the expandable microsphere, is a product with unique properties. A drop of liquid isobutane is encapsulated by a gasproof, polymeric shell. When exposed to heat, the shell will soften and the gas will gasify causing the microsphere to expand. Before expansion the typical diameter is 10–12 μm and the density is 1000–1200 kg/m^3 . During expansion the diameter increases to 40–50 μm and the density drops to 20–30 kg/m^3 . More information regarding different microsphere products is available in our Product Specifications.



Handling instructions and technical service are available upon request.

Using EXPANCEL will help you achieve the following properties:

- Reduced density
- Good insulation
- Improved compressibility
- Improved surface characteristics
- Reduced costs
- Improved elasticity
- Improved handfeel
- Anti-skid properties
- Mat surface



For further information, please contact:

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