

# STRATEX in green roof systems

Green roofs have significant advantages for the environment; climate control, storm water attenuation, noise and pollution reduction and heat insulation. They protect against thermal gain and offer an additional habitat for flora and fauna. Whatever your requirement KEMPER SYSTEM can provide a solution to meet local climatic conditions, aspect, biodiversity and specifier preference.

STRATEX is ideal as a complete warm roof solution below an extensive green roof. The compressive strength of the hard top and standard KEMPERTHERM® insulation is robust enough to handle the additional loading imposed by green roof build-ups. In addition KEMPEROL® liquid waterproofing is certified by FLL for its root resistant properties, durability and proven performance in green roof developments.

KEMPER SYSTEM are members of the Green Roof Organisation (GRO) - the independent UK body representing the industry trade associations, manufacturers and key players within the green roofing sector. GRO sets out to promote the green roof concept, provide suitable guidelines to both manufacturers and installers and to recognise and promote correctly trained green roofing companies.

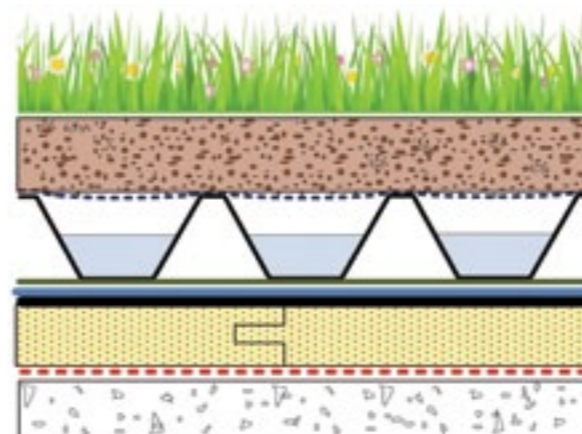


## KEMPERGRO® - A complete approach to sustainable green roof systems

Our KEMPERGRO® green roof system is fully compatible with the STRATEX warm roof system. KEMPERGRO® brings together a unique combination of recycled, renewable and sustainable components to provide a complete waterproof roofing and green roof system with a single source specification.

- KEMPERGRO® is ideal for use in extensive roof gardens providing light-weight drainage and storage for rainwater in both new build and refurbishment projects.
- The upper filter fleece supports the growing medium and prevents substrate fines from blocking the reservoir yet allows percolation of rainwater.
- The factory bonding of the fleece to the reservoir core prevents sagging of the fleece under the weight of the substrate. This maintains reservoir capacity and prevents blockages.
- The reservoir core holds a predetermined amount of rainwater whilst allowing excess water to pass through percolation holes to the base layer.
- The base felt layer provides physical protection to the waterproofing but also attenuates run-off to regulate flow to outlets and drains during flash floods and storms.
- Suitable for use with solvent-free KEMPEROL® 2K-PUR liquid waterproofing which is inherently root resistant.

## KEMPERGRO - Sustainable and renewable



- All sedum and plant varieties are sourced and grown in the UK.
- The growing media is manufactured using 100% recycled materials.
- The base felt is composed of 100% recycled materials.
- The reservoir core is composed of 90% recycled materials.
- The waterproofing membrane is composed of solvent-free KEMPEROL® 2K-PUR (80% of the applied polyols or resins are obtained from the seeds of the tropical castor plant - a renewable resource), combined with a polyester reinforcing fleece containing up to 25% recycled material.
- The hard-top on the insulation board is 100% recycled.
- Substrate conservation - As the KEMPEROL® liquid waterproofing and warm roof build up can be installed directly on top of your existing roof covering, there is no need to remove it avoiding unnecessary and costly disposal to landfill.

