



## › GROHE PACKAGING

# SUSTAINABILITY FACTS AND INITIATIVES

March 2024

## > PAPER AND CARDBOARD



Actions for Reduction	Actions for Sustainability	Actions for Reuse
<ul style="list-style-type: none"> <li>Overall guideline in our GSOs (requirements for suppliers) to avoid any kind of packaging if possible without restricting product protection (1st priority). <b>ONGOING</b></li> </ul>	<ul style="list-style-type: none"> <li>Suppliers of packaging materials must comply with any laws and regulations regarding hazardous substances, packaging avoidance, minimization, reusability and recyclability (written declaration of conformity requested by Grohe). <b>ONGOING</b></li> </ul>	<ul style="list-style-type: none"> <li>Overall guideline in our GSOs (requirements for suppliers) to supply recyclable packaging. <b>ONGOING</b></li> </ul>
	<ul style="list-style-type: none"> <li>EMENA wide <b>packaging project</b> in place - one goal is <b>reduction from 5-color-packaging to 2-color-packaging</b>. <b>PLANNED FOR 2025</b></li> </ul>	<ul style="list-style-type: none"> <li>GROHE <b>product packaging</b> made of corrugated cardboard, solid cardboard or cardboard and molded material, which is generally made of recycled material and are themselves recyclable -with a <b>recycled content of approx. 75%</b>. <b>IMPLEMENTED &amp; AIM TO FURTHER IMPROVE</b></li> </ul>
		<ul style="list-style-type: none"> <li>For GROHE transport packaging, cardboard boxes with a <b>recycled content of approx. 75%</b> are generally used. <b>IMPLEMENTED &amp; AIM TO FURTHER IMPROVE</b></li> </ul>
		<ul style="list-style-type: none"> <li>When using packaging materials, we adhere to the <b>single-material principle</b> (no composite materials), so that GROHE packaging can be <b>easily separated</b> according to material type and fed into the appropriate <b>recycling</b> systems. <b>IMPLEMENTED &amp; AIM TO FURTHER IMPROVE</b></li> </ul>

Actions for Reduction*	Actions for Sustainability	Actions for Reuse
<ul style="list-style-type: none"> <li>Overall guideline in our GSOs (requirements to suppliers) to avoid any kind of packaging if possible without restricting product protection (1st priority) <b>ONGOING</b></li> </ul>	<ul style="list-style-type: none"> <li>Committing to continuous improvement and reflection, GROHE focuses on taking concrete action, using the solution. <b>ONGOING</b></li> </ul>	<ul style="list-style-type: none"> <li>Plastic in packaging was exchanged by increasingly use of molded pulp inserts – that you may know from egg cartons - instead of expanding polystyrene or wrapping film solution. They are made of recycled paper and can be recycled again. <b>IMPLEMENTED</b></li> </ul>
<ul style="list-style-type: none"> <li><b>Grohe Less Plastic Initiative</b> started in 2018 with the target to switch to completely plastic free packaging - <b>Milestone 2022: Grohe has removed all unnecessary plastic packaging from its products - realized savings of 37 million plastic items per year (26 tons of poly bags/year saved by using a product part of the GROHE Rapid installation system as packaging for other product parts) IMPLEMENTED</b></li> </ul>		<ul style="list-style-type: none"> <li>For stability reason, sometimes glassine paper (<b>100% recyclable</b>) is now used instead of plastic. <b>IMPLEMENTED</b></li> </ul>

\*In some areas, plastic packaging is still used. GROHE consumables like GrohClean, glue for screwless fixation or lubricating grease as well as protective packaging for sensitive surfaces e.g. baths and shower trays are still made of plastic. Similarly, small parts and technical applications that are sensitive to humidity are packaged in biofoil, which is based on corn starch.

## > WOOD (PALLETS)



Actions for Reduction	Actions for Sustainability	Actions for Reuse
<ul style="list-style-type: none"> <li>Consolidation: customer orders are proactively consolidated to <b>minimize the number of shipments</b> and optimize the quantity per pallet. <b>IMPLEMENTED/ONGOING</b></li> </ul>	<ul style="list-style-type: none"> <li>Committing to continuous improvement and reflection, GROHE focuses on taking concrete action, using the solution. <b>ONGOING</b></li> </ul>	<ul style="list-style-type: none"> <li><b>Reusable slip sheets</b> are used to replace wooden pallets as loading equipment in ocean containers. <b>IMPLEMENTED</b></li> </ul>
<ul style="list-style-type: none"> <li>Packing pattern: we are <b>actively investigating options to change the packing arrangements</b> on the pallets to fit more quantity on one pallet. Significant success already with selected products out of distribution center in Porta Westfalica. <b>IMPLEMENTED/ONGOING</b></li> </ul>		<ul style="list-style-type: none"> <li>Euro-pallets (<b>E-Pal</b>): Euro-pallets are used wherever possible. <b>E-Pal is an open pooling network which is based on repair and reuse; it is a multi-cycle system where pallets are reused. IMPLEMENTED/ONGOING</b></li> </ul>
		<ul style="list-style-type: none"> <li><b>E-Pal usage in our Distribution Centers:</b> We use E-Pal not only for transport purposes but also for storing goods in our Warehouse. Thus we're not using "one-way" wooden pallets for storing our goods. <b>IMPLEMENTED</b></li> </ul>

## > EPS (EXPANDED POLYSTYRENE, STYROFOAM)



Actions for Reduction	Actions for Sustainability	Actions for Reuse
<ul style="list-style-type: none"> <li>Depending on customer requirements, polypropylene (PP) tape or polyethylene (LD-PE) shrink film is used to secure load units, but EPS not used in our "standard packaging" – see "Less Plastic Initiative".</li> </ul>	<ul style="list-style-type: none"> <li>Suppliers of packaging materials must comply with any laws and regulations regarding hazardous substances, packaging avoidance, minimization, reusability and recyclability (written declaration of conformity requested by Grohe). <b>ONGOING</b></li> </ul>	
	<ul style="list-style-type: none"> <li><b>Grohe Less Plastic Initiative</b> - ongoing evaluation of more sustainable packaging solutions. <b>ONGOING</b></li> </ul>	

**LIXIL**

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