

Waste & Circularity (contd.)

How we manage waste in our production processes

TILES

PRODUCT GENERATION WITH RECYCLED MATERIALS

Our Tiles utilize 85-90% of generated waste, including Fired Tiles, Green Tiles, Squaring Waste Powder, and Polishing Sludge. Tiles also use the waste from other manufacturing processes, including Sanitaryware, Tableware, and ETP, which is a milestone achievement for us. We also monitor our glaze wastage and recycle it by reintroducing it in the production process. **Nineteen of our tiles product range have between 4.8-13% recycled content.**

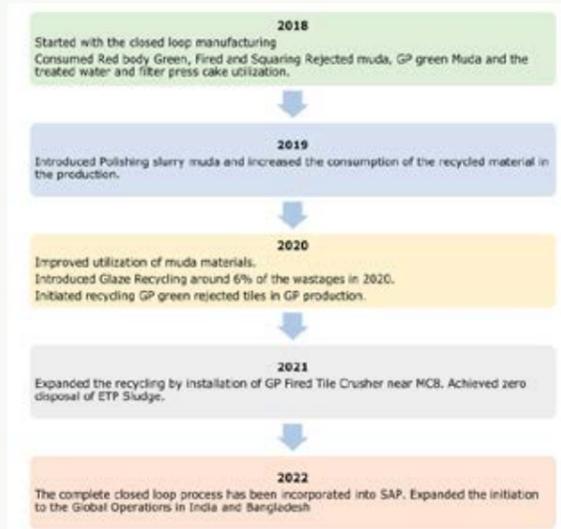
TILES MADE FROM 100% RECYCLED MATERIALS

We are now able to produce tiles made from 100% recycled material. Our product range - Porcelain: Reuse Quartz contains 100% recycled waste generated from our manufacturing processes itself.

INITIATIVES FOR 2023 – REUSE OF POST CONSUMER USED MATERIALS

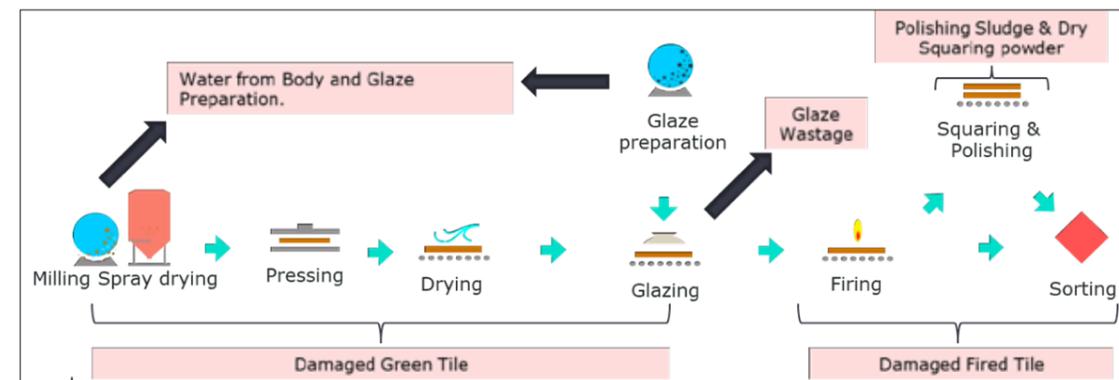
In addition to reducing imported materials consumption and recycling 100% of all the Muda generated, we are working towards recycling and reusing Post Consumer Used Materials. As tiles are products that do not decompose, we are exploring recycling materials that the consumers have already used. This includes tiles that have been demolished for renovation or rebuilding purposes. These will be crushed for use in the formulation to develop tiles. We are currently at the lab's technical study stage and testing the crushed material.

TIMELINE FOR PROGRESS IN WASTE RECYCLING IN TILES MANUFACTURING



Recycled Input Materials (generated from Tiles production & ETP only)	2020	2021	2022
ETP sludge	50~60 %	90~95 %	70~75%
Fired tiles	25~65 %	75~75 %	90~95%
Polishing sludge	25~30 %	25~30 %	85~90%
Green tile	75~100 %	90~100 %	90~95%
Squaring waste powder	70~80 %	80~90 %	85~90%

Volume of waste recycled into Tiles manufacturing



How we reintroduce waste in Tiles manufacturing

How we manage waste our production processes

SANITARYWARE

From the total waste generated by Sanitary Ware, 2%, 25% and 44% of Fired Sanitary Ware, Greenware Sanitary Ware & Reclaim Glaze is reused within Sanitary Ware, while the remaining is forwarded to Tiles.

Between 2021-22, we have consistently reused 2% of Fired Sanitary Ware Waste and increased the use of Greenware Sanitary Ware from 20% to 25%

Recycled Input Materials	2021	2022
Fired Sanitary ware (%)	2%	2%
Fired Sanitary ware (Tons)	719.15	1030.32
Greenware Sanitary ware (%)	20%	25%
Greenware Sanitary ware (Tons)	66641	72879
Reclaim Glaze (Tons)	2458.96	2660.20
Recycled Acrylonitrile Butadiene Styrene (ABS) seat cover (Kgs) – Scrap ABS and B-Grade rejection.	39,175	35,725
Polypropylene recycled content material used (Kgs) – Strap belts production for our packaging use.	287,670	271,445

FAUCETS

We utilize all raw materials, and reintroduce 100% of all rejected pieces back into production.

We also reduced our carton waste from 287.04 tons in 2021 to 284.72 tons in 2022

In 2023, we plan to increase the use of wood pallet waste.

100%
of all rejected pieces are reintroduced in faucets production

TABLEWARE

100% of rejected pieces are reintroduced in production. 80% are reintroduced in tableware itself, while 20% are forwarded to tiles.

20%
of all rejected pieces are forwarded to Tiles