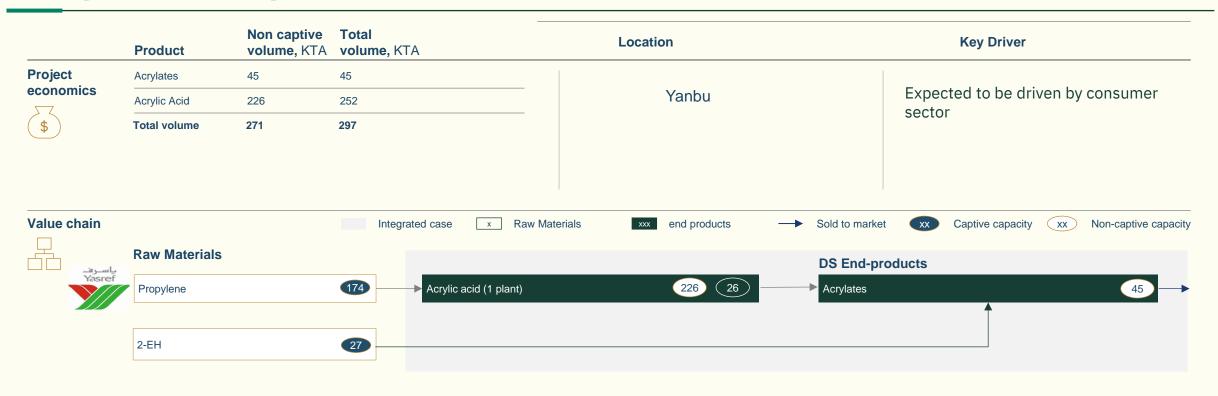




# Acrylates

# Integrated Acrylates complex (Acrylates, Acrylic Acid)



**Exemplary players** 













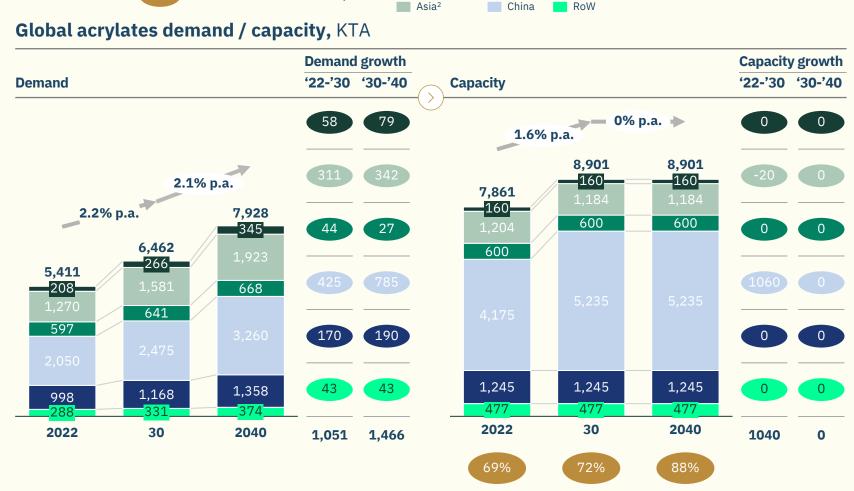






## Global demand for acrylates is expected to grow faster than capacity in 2022 - 2040

Estimated Utilization rate, %



Middle East<sup>1</sup>

Europe

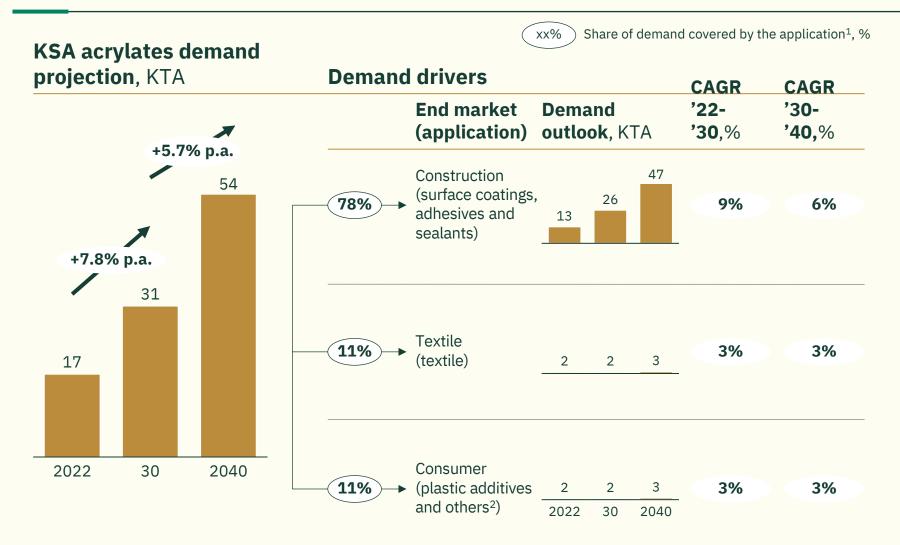
North America

### 1. Includes Iran, Israel, Kuwait, Oman, Qatar, KSA, Syria, UAE, Turkey | 2. Excluding China | 3. Calculated as demand growth – capacity growth if demand growth > capacity growth, otherwise 0 (except for Middle East, where KSA growth can always be captured)

### **Key takeaways**

- Addressable demand<sup>3</sup> for acrylates by 2030 is ~646 KTA, coming from:
  - Middle East 58 KTA
  - Asia 331 KTA
  - Europe 44 KTA
  - North America 170 KTA
  - RoW 43 KTA
- Demand gap of ~425 KTA in China is expected to be addressed by local production
- Demand gap is estimated assuming the utilization rates will reach 72% and 88% by 2030 and 2040, respectively
- Additional gap of ~1,466 KTA by 2040 expected considering projected growth

## KSA demand growth for acrylates is expected to be driven by Construction sector



#### **Key takeaways**

KSA represents <1% of global demand and expected to grow at 7.8% CAGR by 2030

Afterwards the growth may slow down to 5.7% CAGR

**Key drivers** of growth in KSA are:

- **Construction** sector with a 9% CAGR between 2022-30
- Textile and Consumer sector with a 3% CAGR '22-'30

KSA demand is expected to grow faster than global (~7.8% KSA vs. 2.2% global CAGR '22-'30); however, relatively smaller size of the local market makes acrylates an export-oriented investment case

<sup>1.</sup> Global share | 2. Includes printing inks, paper coatings, acrylic fibers, polishes, leather, elastomers Source: Internal analysis

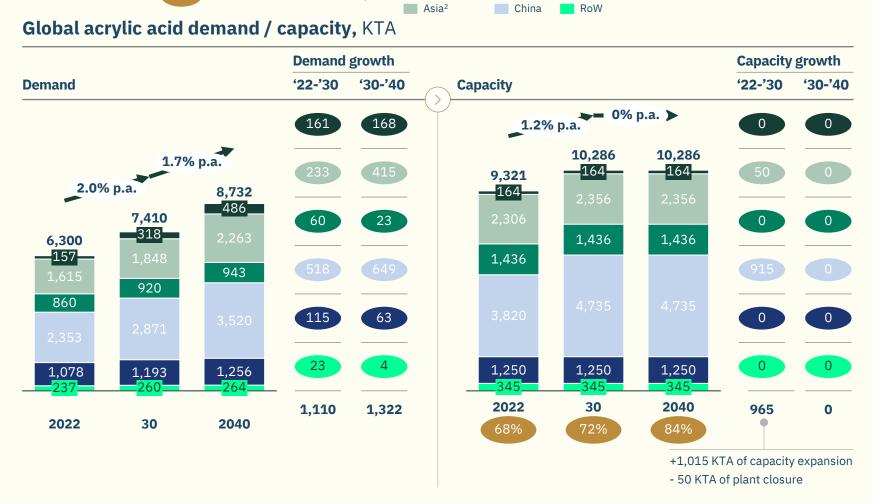
## Global demand for acrylic acid is expected to grow faster than capacity in 2022 - 2040

Estimated Utilization rate, %

Middle East<sup>1</sup>

Europe

North America



### **Key takeaways**

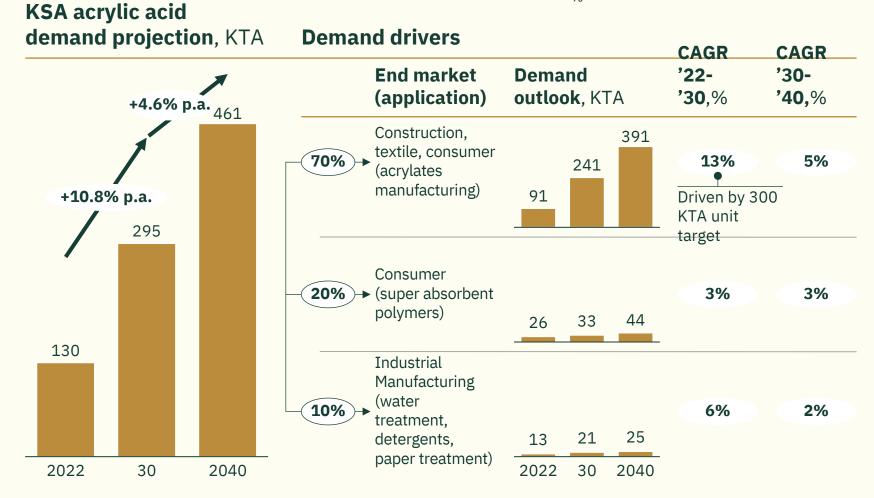
- Addressable demand<sup>3</sup> for acrylic acid by 2030 is ~351 KTA, coming from:
  - Middle East 160 KTA<sup>4</sup>
  - Asia 92 KTA
  - Europe 30 KTA
  - North America 58 KTA
  - RoW 12 KTA
- Demand gap of ~518 KTA in China is expected to be addressed by local production
- Demand gap is estimated assuming the utilization rates will reach 72% and 84% by 2030 and 2040, respectively
- Additional gap of ~745<sup>3</sup> KTA by 2040 expected considering projected growth

<sup>1.</sup> Includes Iran, Israel, Kuwait, Oman, Qatar, KSA, Syria, UAE, Turkey | 2. Excluding China | 3. Calculated as demand growth – capacity growth if demand growth > capacity growth, otherwise 0 (except for Middle East, where KSA growth can always be captured). For export, 50% of acrylic acid demand can be addressed, corresponding to glacial grade only. Ester grade (used to produce acrylates) demand is normally captive due to difficulty in transporting this grade of acrylic acid | 4. 100% from KSA

## KSA demand growth for acrylic acid is expected to be driven by captive acrylates consumption



Share of demand covered by the application<sup>1</sup>, %



#### **Key takeaways**

KSA represents 2% of global demand and expected to grow at 10.8% CAGR by 2030

Afterwards the growth may slow down to 4.6% CAGR

**Key drivers** of growth in KSA is:

 Acrylates manufacturing with a 13% CAGR between 2022-30, driven by 300 KTA expansion in acrylates targeted

KSA demand is expected to grow faster than global (~10.8% KSA vs. 2.0% global CAGR '22-'30)

Size of the local market makes acrylic acid a local investment case with opportunity to export glacial grade

KSA share

Source: Internal analysis





#