

KA Tanking Slurry

Professional coverage and consumption guide — installer-ready reference for calculating material usage, coat thickness and KA-Bond SBR requirements.

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Use this guide as an on-site calculator: estimate total area, allow for two coats at 3.5–4.0 kg/m², adjust for substrate porosity, then round up tub quantities to avoid running short during application.

Quick Tub Calculator: Area in m² × 4 kg/m² ÷ tub size = tubs required. **Example:** 20 m² × 4 kg/m² ÷ 25 kg = 3.2 tubs, so round up to **4 tubs**. For porous substrates, allow an additional **10–20%**.

Coverage and Consumption Guidance

KA Tanking Slurry is normally applied in **two coats**, each at **2–3 mm**, giving a total thickness of **3–5 mm** when used with KA-Bond SBR.

1. Standard Coverage: 25 kg Tub

“25 kg tub: up to 16 m² per single 2–3 mm coat, or approximately 8 m² as a two-coat system.”

- **Single coat:** up to 16 m²
- **Two coats:** approx 8 m²

2. Standard Coverage: 12.5 kg Tub

“12.5 kg tub: approximately 4 m² as a two-coat system.”

- **Two coats:** approx 4 m²

Coverage **with** KA-Bond SBR

When KA-Bond SBR is incorporated into the gauging liquid:

“1 x 25 kg bucket covers approximately 7–8 m² at an overall thickness of 3–5 mm.”

This is the most accurate figure for **full tanking** with SBR enhancement.

3. Enhanced Coverage Using SBR

- **25 kg tub: 7–8 m² total**
- **12.5 kg tub: 3–4 m² total** (proportional)

Consumption Rates

From your 2020 TDS:

“1 coat: 2.0–2.5 kg/m² 2 coats: 3.5–4.0 kg/m²”

4. Consumption Summary

- **Single coat:** 2.0–2.5 kg/m²
- **Two coats (full tanking):** 3.5–4.0 kg/m²

This aligns perfectly with the 7–8 m² coverage per 25 kg tub.

KA-Bond SBR Requirements

Two uses:

5. SBR in Gauging Liquid

“Use approximately 1 litre KA-Bond SBR per 25 kg bucket of KA Tanking Slurry.”

- **25 kg tub:** 1 litre SBR
- **12.5 kg tub:** 0.5 litre SBR

6. SBR Bonding Coat

“1 litre diluted 1:1 with water covers approximately 25 m².”

- **Bonding coat coverage:** 25 m² per litre (diluted 1:1)

Coat Thickness Requirements

From multiple technical documents:

- **Each coat:** 2–3 mm
- **Total thickness:** 3–5 mm (with SBR)

Practical Coverage Examples

7. Example A: 20 m² Basement Wall

- Required consumption: $20 \text{ m}^2 \times 4 \text{ kg/m}^2 = \mathbf{80 \text{ kg}}$
- Tubs required: $80 \text{ kg} \div 25 \text{ kg} = \mathbf{3.2 \text{ tubs}} \rightarrow \mathbf{4 \text{ tubs}}$

8. Example B: 12 m² Lift Pit

- Required consumption: $12 \text{ m}^2 \times 4 \text{ kg/m}^2 = \mathbf{48 \text{ kg}}$
- Tubs required: $48 \text{ kg} \div 25 \text{ kg} = \mathbf{1.92 \text{ tubs}} \rightarrow \mathbf{2 \text{ tubs}}$

9. Example C: 8 m² Retaining Wall

- One 25 kg tub covers **7–8 m²**
- **1 tub is sufficient**

Substrate Porosity Adjustment

High-porosity substrates (block, old brick, rough concrete) may reduce coverage by **10–20%**.

Low-porosity substrates (dense concrete, smooth surfaces) may increase coverage slightly.

Summary Table

Item	Consumption	Coverage	Notes
25 kg tub	3.5–4.0 kg/m ²	7–8 m ² total	Full tanking two-coat system
12.5 kg tub	3.5–4.0 kg/m ²	3–4 m ² total	Full tanking two-coat system
SBR gauging liquid	1 L per 25 kg	—	Enhances adhesion and flexibility
SBR bonding coat	1 L diluted 1:1	25 m ²	Applied before slurry
Coat thickness	2–3 mm per coat	—	3–5 mm total thickness

Sources: KA Tanking Slurry Technical Data Sheet, KA Tanking Standard Specification including KA-Bond SBR, and KA Tanking Slurry coverage and consumption guidance.