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Technical Data Sheet for Polymer-Based Filler

Product Description

Polymer-Based Filler is a high-performance filler designed for a wide range of surface preparation and repair applications. It is formulated using advanced polymer technology to provide superior adhesion, flexibility, and durability on various surfaces. This versatile filler is suitable for both interior and exterior use, offering excellent resistance to cracking, shrinkage, and moisture. It can be used on a variety of materials, including plaster, wood, concrete, drywall, and masonry.

This filler offers smooth application properties and is ideal for filling cracks, holes, joints, and surface irregularities, ensuring a seamless finish that can be painted or finished over after drying. The polymer-based formula ensures that the filler remains flexible even after curing, which makes it ideal for use in areas subject to slight movement, such as around doors, windows, and other joints.

Polymer-Based Filler is easy to mix and apply, offering excellent workability with minimal shrinkage. Once applied, it forms a strong bond with the substrate, providing a long-lasting, durable repair. This filler provides excellent sandability and does not require additional priming before painting, making it suitable for both small repairs and larger surface restoration projects. The advanced polymer composition also enhances its resistance to wear and tear, ensuring that the repair remains intact over time.

The filler is fast-drying and allows for multiple layers to be applied quickly, reducing downtime during the repair process. Whether used in residential, commercial, or industrial settings, Polymer-Based Filler provides a high-quality solution for a wide range of surface repairs.

Recommended Use

1. **Filling Cracks and Holes in Walls and Ceilings**:
   - Polymer-Based Filler is ideal for filling small to medium-sized cracks, holes, and gaps in walls, ceilings, and other interior and exterior surfaces. Whether the surface is drywall, plaster, or concrete, this filler ensures a smooth, durable finish. It is especially effective in high-traffic areas where durability is crucial.
2. **Surface Restoration and Repair**:
   - This filler is perfect for surface restoration tasks, such as repairing damaged drywall or plasterboard. It can fill deep cracks or holes and restore the surface to its original condition. The filler adheres well to various surfaces, including wood, cement, and masonry, ensuring a lasting bond.
3. **Sealing Joints and Gaps**:
   - Polymer-Based Filler is recommended for use in sealing joints, seams, and gaps between different building materials. It is highly effective around window and door frames, as well as joints between different construction elements. The filler remains flexible even after curing, preventing cracks in areas subject to slight movement.
4. **Smoothing Rough Surfaces**:
   - It is excellent for smoothing out rough or uneven surfaces on walls, ceilings, and other substrates. The filler can be easily applied over large areas and sanded down to a smooth finish, making it ideal for surface preparation before painting, wallpapering, or finishing treatments.
5. **Exterior Repairs**:
   - This filler is also suitable for outdoor applications. It can be used to fill cracks and gaps in concrete, masonry, stucco, and other exterior surfaces, offering superior resistance to

weathering and environmental conditions. It helps to protect surfaces from moisture and provides a long-lasting finish.

6. **Furniture and Woodwork Repair**:
   - The filler is also ideal for filling gaps, cracks, and holes in wood surfaces, such as furniture, cabinetry, and paneling. It bonds strongly to wood and can be easily sanded to match the surrounding surface.
7. **Finish for Painted or Coated Surfaces**:
   - Once the filler is applied and dried, it provides a smooth, seamless surface that can be painted, stained, or coated, making it an excellent choice for preparing surfaces before finishing.

Technical Data (Specification)

- **Colour**: White
- **Binder**: Polymer-based formulation
- **Viscosity**: Smooth, easily spreadable paste
- **Drying Time**: Touch dry in approximately 30-45 minutes; fully cured within 1-2 hours
- **Sanding**: Sandable within 1 hour of application
- **Application Method**: Apply with a putty knife, trowel, or filling knife
- **Coverage**: Approximately 1.5 to 2 square meters per liter at 1mm thickness
- **Storage**: Store in a cool, dry place. Ensure container is tightly closed when not in use
- **Pack Sizes**: Available in 1kg, 5kg, and 10kg tubs

Dosage & Addition

- **Dosage**:
  - The quantity of Polymer-Based Filler required depends on the size and depth of the area being filled. For shallow holes or cracks, a thin layer will suffice, while deeper repairs may require multiple layers. A 1kg tub typically covers around 1.5-2 square meters at 1mm thickness.
  - Apply the filler in thin layers for better curing and smooth finishing.
- **Addition**:
  - Polymer-Based Filler comes ready to use. There is no need for additional solvents or additives for most applications. If necessary, you can add a small amount of water to adjust the consistency. However, avoid over-thinning, as it can reduce the filler's effectiveness and adhesion.

Method of Application

1. **Surface Preparation**:
   - Ensure the surface is clean, dry, and free of any dust, dirt, or grease. For the best adhesion, it is recommended to lightly sand smooth surfaces before application to create a rougher texture. For surfaces with peeling paint or loose material, scrape or remove debris before applying the filler.
2. **Mixing**:
   - Polymer-Based Filler is ready to use directly from the container. Stir thoroughly to ensure an even consistency. If the filler is too thick for your needs, add a small amount of water to adjust it, but avoid adding too much water, as this can compromise the filler's performance.
3. **Application**:

- Use a putty knife, trowel, or filling knife to apply the filler to the desired area. Spread the filler evenly across the surface, filling cracks, holes, and gaps. For larger holes or deep cracks, apply the filler in layers, allowing each layer to dry before applying the next.
- When applying to seams or joints, press the filler into the gap and smooth it with a flexible knife. Ensure the filler is level with the surrounding surface.

4. **Drying & Sanding**:
   - Allow the filler to dry for about 30 minutes to 1 hour, depending on the thickness of the application. Once dry, sand the filled areas using fine-grit sandpaper to achieve a smooth and even surface.
   - If necessary, apply a second layer of filler and repeat the drying and sanding process.
5. **Finishing**:
   - After sanding the filler to a smooth finish, the surface is ready for painting, staining, or applying other finishing treatments. The filler is compatible with most types of paints and finishes.

Safety Instructions

- **Personal Protection**:
  - Wear protective gloves and safety goggles to avoid skin and eye contact with the filler. In areas with poor ventilation, wear a mask to avoid inhaling dust particles.
  - When applying the filler, ensure the workspace is well-ventilated to reduce exposure to airborne particles and fumes.
- **Handling & Storage**:
  - Store the filler in a tightly sealed container in a cool, dry place, away from direct sunlight and extreme temperatures. Keep the filler away from heat sources, sparks, and open flames.
  - Ensure that the container is securely closed when not in use to prevent the filler from drying out.
- **First Aid Measures**:
  - **Skin Contact**: If contact with skin occurs, wash immediately with soap and water. If irritation persists, seek medical advice.
  - **Eye Contact**: If the filler comes into contact with the eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical attention.
  - **Inhalation**: Move to fresh air if inhalation occurs. If symptoms persist, seek medical attention.
  - **Ingestion**: If ingested, do not induce vomiting. Rinse the mouth with water and seek medical attention immediately.
- **Disposal**:
  - Dispose of leftover filler and its packaging according to local waste disposal regulations. Avoid disposing of the material in drains or water sources.

By following the instructions above, Polymer-Based Filler ensures a durable, flexible, and long-lasting repair solution for a wide variety of surface types and applications.